

AD A147 184

WILL AFB UTAH REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS (RU..U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 84
USAFFIAC/DS 84/029 SRI AD-E850 746 F/G 4/2

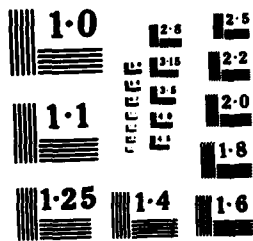
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AD-A147 184

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVIEW OF
SURFACE OBSERVATIONS

HILL AFB UT MSC #725755
N 41 07 W 111 58 ELEV 4788 FT HIF

PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JUN 74 - MAY 84
SUMMARY OF DAY DATA: OCT 41 - JAN 46, JUN 46 - MAY 84

TIME CONVERSION GMT TO LST: -7

05 SEP 1984

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REVIEW AND APPROVAL STATEMENT

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This technical report has been reviewed and is approved for publication.

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Document Reference Section
USAFETAC/LDX

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DS- 84/029.	2 GOVT ACCESSION NO. A06-47-24	3 RECIPIENT'S CATALOG NUMBER															
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- HILL AFB, OGDEN, UTAH		5 TYPE OF REPORT & PERIOD COVERED Final rept.															
7 AUTHOR(s)		6 PERFORMING ORG. REPORT NUMBER															
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11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10 PROGRAM ELEMENT PROJECT, TASK AREA & WORK UNIT NUMBERS															
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16 DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.																	
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for HILL AFB, OGDEN, UTAH It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*

*UTAH

*

*HILL AFB

*OGDEN

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
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Availability Codes	
Dist	Avail and/or Special
A-1	

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

Special observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

Observations are selected from all data recorded on reporting forms and combined into summary of the day's observations. (Selected from the following: special, local, summary of the day, remarks, etc.)

Each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations. The manner of presentation, tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Service and some foreign stations using similar reporting practices.

As further noted the following summaries are included for this station.

PART E DAILY MAX. MIN. & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV .

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

10. Remarks: requiring diurnal variations are summarized in eight 5-hour periods corresponding to the following sets of hourly observations:

Missing sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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AWS FORM 2
NOV 81

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72-755 HILL AFB UT

75-84

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		3.3	.6	16.3		20.0	24.5	14.0	.8		29.8	930
	03-05		3.7	.3	19.2		22.7	26.0	12.5	1.0		30.0	930
	06-08		3.7	.2	17.2		20.6	27.8	11.9	1.4		31.5	930
	09-11	.1	3.3		18.2		21.1	29.0	13.4	1.0		34.0	930
	12-14	.1	3.7		14.7		18.2	26.7	16.0	.2		34.6	930
	15-17	.1	2.5		12.3		14.5	26.0	18.5	.5		35.5	930
	18-20		3.1		10.3		13.1	28.1	18.7	1.1		36.8	930
	21-23		3.2	.1	16.2		19.2	26.2	16.8	1.0		33.9	930
TOTALS		.0	3.3	.2	15.6		18.7	26.8	15.2	.9		33.3	7440

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2JLCLAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

025755 HILL AFB UT

75-84

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02	.2	6.1		9.8		15.5	14.1	4.5	.1		15.4	849
	03-05		4.9		10.7		15.4	13.1	4.0	.7	.1	15.0	849
	06-08	.1	5.4		11.3		15.8	13.5	3.5	.7		15.2	849
	09-11		3.3		11.5		14.5	13.4	4.5	1.1		16.5	849
	12-14		3.1		9.8		12.7	13.1	7.8	.2		18.5	849
	15-17		4.2	.1	7.2	.1	11.5	13.4	9.2	.4		19.2	849
	18-20	.2	5.3	.4	8.4	.1	13.7	13.2	8.2		.1	18.5	849
	21-23	.4	5.8	.2	9.3		14.6	13.5	6.1			16.8	849
TOTALS		.1	4.8	.1	9.8	.0	14.2	13.4	6.0	.4	.0	16.9	6792

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GLOBAL CLIMATOLOGY BRANCH
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AFH WEATHER SERVICE/MAC

WEATHER CONDITIONS

75755 HILL AIR CT

75-84

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (1-24)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02	.1	5.8		8.5		13.5	7.2	2.4	.4		8.0	930
	03-05		4.8		9.7		14.1	6.5	1.4	.4		6.9	930
	06-08		6.3		11.2		17.0	7.5	1.0	.1		7.7	930
	09-11		7.0		11.8		18.0	10.0	1.2	.1		10.4	930
	12-14	.2	5.9		10.9	.2	16.5	9.2	1.7			9.9	930
	15-17	.3	7.3		8.5		15.2	7.7	2.6			8.6	930
	18-20	.1	6.8		6.8		13.0	6.1	2.3	.1	.6	7.3	930
	21-23	.4	6.6		8.9		14.7	5.3	1.6	.4	.1	5.9	930
TOTALS		.1	6.3		9.5	.0	15.3	7.4	1.8	.2	.1	8.1	7440

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USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT

75-84

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.1	6.7		5.3		11.7	3.0		.2		3.2	900
	03-05	.3	5.0		5.9		10.6	3.8		.3		4.1	900
	06-08	.1	6.0		6.4		11.6	4.2		.3		4.6	900
	09-11	.2	5.9		7.0	.1	12.1	3.0		.3		3.3	900
	12-14	.1	6.3		6.3		11.7	3.2				3.2	900
	15-17		5.1		4.1		8.9	3.2			.2	3.4	900
	18-20	.7	7.0		4.3		11.0	2.3			.1	2.4	900
	21-23	.4	6.7		5.9	.1	12.0	2.0				2.0	900
TOTALS		.2	6.1		5.7	.0	11.2	3.1		.1	.0	3.3	7200

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT

75-84

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	.5	10.1		1.1		10.6	1.2				1.2	930
	03-05	.2	11.5		1.6		12.3	1.3				1.3	930
	06-08	.3	10.3		1.9	.2	12.0	2.7				2.7	930
	09-11	.2	9.7		2.3		11.5	4.0			.1	4.1	930
	12-14	1.1	8.6		2.4		10.1	2.9				2.9	930
	15-17	1.7	8.1		1.1	.1	9.0	1.4			.3	1.7	929
	18-20	1.1	7.0		.9		7.6	1.6			.5	2.2	927
	21-23	1.3	9.2		1.0	.1	9.9	1.1				1.1	927
TOTALS		.8	9.3		1.5	.1	10.4	2.0			.1	2.2	7433

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GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT

74-83

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.3	2.6				2.6						900
	03-05	.2	2.6				2.6						900
	06-08	.3	2.7				2.7	.4				.4	900
	09-11	.3	4.1		.1		4.1	1.0				1.0	900
	12-14	.2	3.1		.1		3.1	.6			.1	.7	900
	15-17	.9	2.7				2.7	.1			.3	.4	900
	18-20	1.1	4.1				4.1						900
	21-23	1.0	3.4				3.4	.1				.1	900
TOTALS		.5	3.2		.1		3.2	.3			.1	.3	7200

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

725755 HILL AFB UT

74-83

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	01-02	1.1	2.6				2.6						930
	03-05	1.6	1.7				1.7						930
	06-08	1.6	2.3				2.3		.3			.3	930
	09-11	.2	1.5				1.5	.1	.3			.4	930
	12-14	.3	1.2				1.2	.1	.2			.3	930
	15-17	2.6	2.2				2.2	.1	.1			.2	930
	18-20	1.7	2.4			.1	2.4				.1	.1	930
	21-23	1.3	2.9				2.9						930
TOTALS		1.3	2.1			.0	2.1	.0	.1		.0	.2	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT

74-83

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
ALG	00-02	1.5	3.3				3.3						930
	03-05	1.0	2.0				2.0	.1				.1	930
	06-08	.6	3.7				3.7	.1				.1	930
	09-11	.2	2.8				2.8						930
	12-14	.8	2.7				2.7	.8				.8	930
	15-17	1.3	2.3				2.3	.3				.3	930
	18-20	1.4	2.8				2.8	.4	.1		.1	.5	930
	21-23	1.3	3.1				3.1	.1				.1	930
TOTALS		1.0	2.8				2.8	.2	.0		.0	.2	7440

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT

74-83

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	1.3	5.0		.3		5.2	.4			.1	.6	900
	03-05	1.1	5.4		.3		5.8	.4				.4	900
	06-08	.6	5.8		.1		5.9	.7			.1	.8	900
	09-11	.6	4.0			.1	4.0	.7				.7	900
	12-14	.4	3.4		.1		3.6	.1				.1	900
	15-17	1.0	4.0			.2	4.1	.1				.1	900
	18-20	1.3	5.2		.1	.1	5.3	.4				.4	900
	21-23	1.2	5.6		.3		5.6	.1				.1	900
TOTALS		.9	4.8		.2	.1	5.0	.4			.0	.4	7200

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT 74-83 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02	.3	7.7		.4		8.2	1.9	.1			2.0	930
	03-05	.3	7.3		.8		7.5	1.6				1.6	930
	06-08	.5	6.5		1.2		7.2	2.5				2.5	930
	09-11	.6	7.8		1.2	.2	8.6	1.8			.2	2.0	930
	12-14	.4	7.8		.9	.1	8.5	1.1	.5			1.6	930
	15-17	.6	7.8		1.0		8.3	1.5	.4			1.9	930
	18-20	1.1	7.2		.4		7.3	1.1	.2			1.3	930
	21-23	.6	7.5		.8		8.0	1.3				1.3	930
TOTALS		.6	7.5		.8	.0	8.0	1.6	.2		.0	1.8	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT

74-83

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.1	3.4		6.1		9.3	3.6		.8		4.3	900
	03-05		3.8	.1	6.6		10.1	3.4		.4		3.9	900
	06-08		4.0		7.2		10.9	4.7	.1	.2		4.9	900
	09-11		4.3		6.0		10.2	4.4	.3	.3		5.0	900
	12-14		3.8		7.7		11.1	7.2	1.4	.4		8.2	900
	15-17	.2	4.8		6.2		10.8	5.0	1.1	.7		6.0	900
	18-20	.1	5.3		6.0		11.1	5.3	.7	.4		6.0	900
	21-23	.1	4.6		7.4		11.3	4.0	.1	.7		4.8	900
TOTALS		.1	4.3	.0	6.7		10.6	4.7	.5	.5		5.4	7200

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725755 HILL AFB UT

74-83

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02	.1	3.7	.3	11.0		14.3	12.8	3.1	.8		13.8	930
	03-05		4.2	.1	12.0		15.9	13.2	1.8	1.2		14.1	930
	06-08		3.7		12.8		16.2	13.9	2.2	1.2		15.9	930
	09-11		3.3	.1	13.8		16.9	14.5	5.1	1.3		19.1	930
	12-14		3.3		13.1		15.8	16.7	9.4	1.4		24.9	930
	15-17		3.4		12.5		15.6	14.1	13.9	.9		25.5	930
	18-20	.1	4.6	.4	10.2		14.7	14.2	10.9	.9		21.9	930
	21-23		3.7	.8	8.9		13.1	13.8	6.6	.8		18.1	930
TOTALS		.0	3.7	.2	11.8		15.3	14.2	6.6	1.1		19.2	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724755 HILL AFB UT

74-84

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.0	3.3	.2	15.6		18.7	26.8	15.2	.9		33.3	7440
FEB		.1	4.8	.1	9.8	.0	14.2	13.4	6.0	.4	.0	16.9	6792
MAR		.1	6.3		9.5	.0	15.3	7.4	1.8	.2	.1	8.1	7440
APR		.2	6.1		5.7	.0	11.2	3.1		.1	.0	3.3	7200
MAY		.6	9.3		1.5	.1	10.4	2.0			.1	2.2	7433
JUN		.5	3.2		.0		3.2	.3			.1	.3	7200
JUL		1.3	2.1			.0	2.1	.0	.1		.0	.2	7440
AUG		1.0	2.8				2.8	.2	.0		.0	.2	7440
SEP		.9	4.8		.2	.1	5.0	.4			.0	.4	7200
OCT		.6	7.5		.8	.0	8.0	1.6	.2		.0	1.8	7440
NOV		.1	4.3	.0	6.7		10.6	4.7	.5	.5		5.4	7200
DEC		.0	3.7	.2	11.8		15.3	14.2	6.6	1.1		19.2	7440
TOTALS		.5	4.9	.0	5.1	.0	9.7	6.2	2.5	.3	.0	7.6	87665

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

~~ALL~~
MONTH

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	141.4	2.0	17.6	1.1	45.5	.2	55.4	44.3	28.1	2.1		56.1	33
FEB	131.3	1.3	19.8	.7	36.9	.4	40.0	31.0	14.4	2.7		38.0	94
MAR	120.9	2.9	20.2	.1	37.6	.7	49.0	24.4	2.6	2.9	.4	26.5	109
APR	117.2	7.2	23.7		25.1	3.1	45.0	19.3	1.0	.5	.4	21.4	153
MAY	114.9	14.9	42.7	.1	7.2	2.1	42.5	7.5	.6	.0	.2	8.0	156
JUN	114.6	14.6	20.8		.6	1.3	3.0	3.0	.5			3.0	153
JUL	115.2	15.2	24.5			.4	24.5	.9	.4		.2	1.5	158
AUG	117.8	17.8	28.8		.1	.9	14.8	1.3	.4		.2	1.5	159
SEP	113.7	13.7	27.9		1.1	1.0	28.0	3.2	.4		.1	3.7	157
OCT	115.4	5.4	25.2	.1	8.9	.5	29.0	5.7	1.0	.0	.1	9.7	149
NOV	111.1	1.1	23.3	.1	25.0	.3	28.8	22.6	11.2	2.0	.1	30.2	155
DEC	110.7	.7	18.3	1.3	42.1	.3	50.2	43.8	28.9	2.4		56.7	155
TOTALS		8.1	26.6	.3	19.7	.9	39.4	17.5	7.5	1.3	.1	21.6	1263

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

B

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

725755 HILL AFB UT STATION NAME

41-84

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	45.6	19.5	3.5	7.4	7.1	7.0	5.9	2.3	.8					34.9	1333	2.9	5.64	.5
FEB	51.0	18.8	2.4	7.1	4.5	7.1	5.8	2.9	.4					70.2	1187	1.82	4.13	.37
MAR	50.0	18.8	2.5	6.0	5.3	8.0	6.2	2.7	.5					71.2	1372	2.05	4.30	TRACE
APR	54.0	17.4	1.9	4.8	4.0	6.8	6.3	4.0	.8					78.6	1260	2.31	5.75	.57
MAY	57.2	16.8	2.3	5.3	4.0	5.8	4.8	2.8	1.0					76.0	1302	1.98	6.44	TRACE
JUN	60.7	13.8	1.7	3.5	2.5	3.8	3.5	2.6	.6					79.2	1260	1.46	5.14	.04
JUL	76.0	13.7	1.5	3.1	1.7	1.6	1.5	.8	.1					77.3	1302	.53	2.16	TRACE
AUG	77.2	15.4	2.1	3.2	2.6	3.9	1.1	1.2	.4					74.4	1302	.85	3.89	TRACE
SEP	73.2	11.3	1.5	4.1	1.8	3.2	2.5	1.5	1.7					75.6	1260	1.25	6.17	TRACE
OCT	70.6	9.5	1.8	3.8	2.3	4.0	4.8	2.2	1.1					77.0	1333	1.77	6.39	.0
NOV	58.7	14.4	2.2	5.5	4.5	7.4	4.3	2.3	.5					26.9	1290	1.66	3.64	.5
DEC	49.6	16.1	2.6	7.7	6.2	9.4	5.1	3.0	.3					34.4	1333	2.08	5.74	.11
ANNUAL	60.3	15.5	2.2	5.1	3.9	5.7	4.3	2.4	.6					24.2	15460	19.85		

USAFETAC FORM 0-15-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

12-755
STATION

HILL AFB LT

STATION NAME

41-24

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41										.60	.69	.77	
42	.84	.65	.40	.64	1.40	.45	.16	.24	.65	.99	1.06	.70	1.48
43	.90	.53	.94	.37	.56	.63	.45	.27	TRACE	1.23	.15	.63	1.23
44	.62	.44	.63	.77	.71	1.95	.19	TRACE	.74	.04	.52	.50	1.95
45	.16	.82	.53	.63	.26	.70	.31	.84	.16	.75	.46	.48	.84
46	.51					.25	.50	.27	.21	1.45	.55	1.39	
47	1.74	1.30	.59	.97	.53	1.69	.09	.66	1.28	1.26	.62	.30	1.69
48	.40	1.11	.75	1.92	1.11	.70	TRACE	.20	1.35	.21	.55	.55	1.92
49	.98	.34	1.82	1.11	.71	.90	.77	.91	.26	1.00	1.15	1.05	1.82
50	.59	.37	.39	.52	.86	.32	.43	.01	.42	.36	.40	1.00	1.00
51	.61	.70	.67	.91	.60	.74	.60	1.61	.25	1.69	.82	.60	1.69
52	1.17	.75	.61	.71	.13	1.10	.05	.14	.01	.00	.73	1.16	1.17
53	.62	.24	.96	1.22	.97	.47	.41	.78	.04	1.75	.13	.54	1.62
54	.81	.55	.51	.26	.36	.40	.24	1.05	.21	.13	1.40	.62	1.40
55	.94	.65	.14	.26	.29	.53	.29	.16	.42	.42	.82	.88	.88
56	.71	.60	.09	.28	.44	.15	.51	TRACE	.23	.68	.15	.98	.71
57	.47	.79	.65	1.31	1.43	.91	.25	.35	.75	.37	.57	.30	1.43
58	.41	.52	.58	.38	.37	.17	.13	.14	.46	.07	.77	.23	.77
59	.47	.39	.47	.70	.55	.66	.77	.44	.70	.12	.07	.81	.81
60	.18	.54	1.04	.14	.11	.13	.13	.45	.38	.68	.75	.25	1.04
61	.05	.27	.39	.30	.19	.16	.94	.18	1.91	.41	1.52	.63	1.91
62	1.19	.65	.55	.85	.94	.36	.54	.09	.68	.62	.23	.16	1.19
63	.59	.28	.51	1.11	.75	.81	.01	.60	1.36	.79	.55	.35	1.36
64	.41	.10	.37	.64	1.66	1.21	.01	.25	.01	1.01	.71	.83	1.66
65	.42	.30	TRACE	.93	.44	.56	.54	1.21	.87	.34	.79	.90	1.21
66	.61	.77	.28	.31	1.18	.75	.22	.08	.51	.22	.66	.35	1.18
67	.63	.24	.64	.55	.60	.70	.31	.14	.38	.47	.55	.72	.72
68	.37	.96	.93	1.11	.47	.91	.15	1.16	.41	1.34	.31	.31	1.34
69	1.19	.88	.20	.51	TRACE	1.36	.20	.30	.38	.71	.29	.35	1.36
70	.40	.36	.44	1.26	.36	1.18	.14	.10	1.38	.46	.68	.88	1.38
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-000 (OLA)

USAF ETAC FORM 0-88-8 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

12-755 HILL AFB MT STATION NAME 41-34 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4										1.99	2.09	2.73	
41	2.19	1.88	1.39	1.69	3.74	.60	.22	.29	.68	1.87	2.58	1.81	18.85
42	.73	1.44	1.98	.79	1.32	2.25	.51	.77	TRACE	1.63	.75	1.49	14.76
43	2.75	.66	2.35	3.98	1.44	4.20	.19	TRACE	.75	.12	2.50	1.36	19.79
44	.35	3.06	2.91	1.46	1.05	3.27	.32	1.72	.36	.71	2.26	1.48	18.95
45	1.41					.25	.77	.15	.23	5.79	1.45	2.99	
46	2.94	2.88	1.58	1.97	1.48	5.14	.10	2.68	2.43	1.05	3.25	1.22	30.32
47	.92	2.12	2.12	2.69	2.13	2.47	TRACE	.49	1.39	.64	2.37	3.72	21.66
48	1.11	1.33	3.21	2.27	2.98	1.37	.77	.91	.26	4.24	1.36	5.04	27.15
49	1.34	1.11	1.73	.98	3.00	.32	.87	.51	1.26	.91	2.17	2.25	18.03
50	1.11	1.49	2.27	3.83	1.49	.04	1.77	2.14	.27	2.85	2.22	3.84	23.75
51	5.64	2.57	3.61	1.40	.92	1.42	.25	.19	.53	.00	1.05	1.94	18.82
52	1.72	.62	3.27	3.56	1.27	.67	1.04	1.09	.04	1.81	.36	1.29	18.74
53	1.54	.68	1.58	.78	.49	1.08	.24	1.06	.40	.31	3.13	1.12	12.21
54	1.72	1.65	.71	1.65	.97	1.84	.40	.54	1.05	1.02	2.18	2.95	17.78
55	3.47	1.80	.11	.57	2.58	.21	.66	TRACE	.52	1.85	.29	1.11	13.17
56	1.27	1.52	2.35	3.29	6.44	1.93	.39	.71	.75	1.33	1.37	2.32	24.60
57	1.26	2.34	2.98	1.49	.68	.19	.18	.27	.48	.77	1.40	.57	11.91
58	1.86	1.24	1.17	1.35	1.13	1.28	.15	.90	1.36	.19	.07	1.21	13.96
59	1.15	2.01	2.46	.94	.46	.34	.21	.56	1.01	1.31	1.88	.79	13.17
60	.75	.96	1.54	.95	.56	.39	1.79	.81	3.11	1.31	2.44	2.01	15.22
61	2.24	2.84	2.48	2.33	1.00	.63	.64	.15	.73	.69	.58	.19	16.50
62	1.16	.59	1.67	5.75	1.29	2.57	.21	.87	2.67	1.93	1.98	1.09	21.58
63	2.15	.39	1.64	3.63	4.29	4.04	.03	.43	.01	1.35	1.74	3.31	23.01
64	1.85	.80	TRACE	3.02	1.73	1.58	.89	1.54	1.56	.75	2.37	2.01	17.70
65	1.01	2.39	.60	.93	1.82	.10	.32	.18	.85	.25	1.43	1.20	10.78
66	2.22	.68	1.67	4.11	1.93	1.30	.37	.16	1.26	1.21	.65	2.34	19.90
67	.90	2.69	2.88	2.41	1.62	3.73	.17	3.89	.58	2.25	1.25	1.97	23.64
68	2.82	4.13	.76	1.53	TRACE	2.99	.36	.32	.43	1.08	.34	1.52	15.78
69	2.67	.56	1.10	4.36	1.37	2.91	.56	.26	1.15	1.74	2.77	3.79	25.29
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-0 (OLA)

EXTREME VALUES
 MONTHLY PRECIPITATION

7-755 HILL AFB LI
STATION STATION NAME

41-24 _____ YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 9-69-6 (OIA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

25755 HILL AFB UT

STATION NAME

46-84

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	57.9	20.2	6.9	10.0	3.9	2.5	2.2	2.0	1.0	.4				78.9	1178	17.9	44.8	TRACE
FEB	51.4	16.6	5.5	7.4	2.7	2.0	1.7	2.0	.9					72.1	1174	12.1	34.8	.5
MAR	42.7	16.6	5.1	6.1	3.3	2.5	1.0	1.8	.7	.1				70.6	1178	12.7	38.2	TRACE
APR	75.9	11.8	2.5	4.4	1.7	1.0	.8	.9	.9	.2				12.4	1140	8.3	37.1	TRACE
MAY	93.0	5.2	.3	.5	.3	.2	.1	.1	.3	.1				1.9	1178	2.0	19.5	.0
JUN	99.4	.6													1140	TRACE	TRACE	.0
JUL	100.0														1178	.0	.0	.0
AUG	99.9	.1													1178	TRACE	TRACE	.0
SEP	98.9	.9					.0							.2	1139	.2	4.1	.0
OCT	91.6	5.8	.3	1.4		.2	.3	.3	.1					2.6	1178	1.8	16.4	.0
NOV	74.1	11.7	3.4	3.9	3.1	1.7	.9	1.0	.2	.2				14.2	1140	8.1	27.1	TRACE
DEC	57.1	15.6	4.8	9.5	5.3	2.7	1.7	1.7	1.5					27.2	1178	16.9	56.2	TRACE
ANNUAL	80.4	8.8	2.4	3.6	1.7	1.1	.7	.8	.5	.1				10.8	13879	80.0		

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

100755
 STATION

HILL AFB, UT

STATION NAME

46-84

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41						.0	.0	.0	.0	4.0	5.0	6.2	
42	12.4	4.0	2.9	3.8	.0	.0	.0	.0	.0	.0	5.0	2.1	10.4
43	2.5	8.7	4.4	4.5	TRACE	.0	.0	.0	.0	.5	5.5	5.5	8.0
44	8.8	3.4	10.4	TRACE	.0	.0	.0	.0	.0	9.7	5.4	9.9	10.9
45	6.5	2.8	4.3	5.0	9.6	.0	.0	.0	TRACE	TRACE	2.8	3.3	9.6
46	6.1	7.0	6.3	7.7	.3	.0	.0	.0	.0	.9	2.9	4.7	7.7
47	11.4	7.9	6.0	TRACE	.0	.0	.0	.0	.0	.0	7.6	7.0	11.4
48	14.1	2.1	5.2	6.0	TRACE	.0	.0	.0	.0	4.0	.6	7.0	14.0
49	4.7	5.3	5.0	.7	TRACE	TRACE	.0	.0	.0	TRACE	2.0	4.3	5.3
50	8.4	6.2	.7	7.3	TRACE	.0	.0	.0	.0	TRACE	9.3	9.4	9.4
51	4.7	5.0	.9	1.0	TRACE	.0	.0	.0	.0	5.3	2.1	4.0	5.3
52	4.7	.5	1.2	1.1	.0	.0	.0	.0	.0	.0	4.2	3.0	4.7
53	4.3	5.2	5.6	2.3	.0	.0	.0	.0	.0	TRACE	4.0	.7	5.6
54	3.9	4.3	.5	6.5	TRACE	.0	.0	.0	.0	TRACE	.1	2.5	6.5
55	3.4	5.5	5.4	.6	1.0	.0	.0	.0	.0	TRACE	1.0	2.4	5.5
56	TRACE	1.8	2.5	2.5	TRACE	.0	.0	.0	.0	5.6	15.2	2.1	15.2
57	11.9	6.5	5.5	3.3	TRACE	TRACE	.0	.0	.0	2.5	1.0	TRACE	11.9
58	1.1	.1	5.4	8.2	.0	.0	.0	.0	.0	.0	1.5	4.9	8.2
59	5.5	1.2	3.7	5.8	11.1	.0	.0	.0	.0	.0	3.6	2.5	13.1
60	4.3	2.9	TRACE	9.2	3.1	.0	.0	.0	.0	TRACE	.1	.7	9.2
61	6.4	4.8	2.1	2.3	.0	.0	.0	.0	.0	1.3	5.4	2.1	6.4
62	8.9	3.9	5.8	5.0	.1	.0	.0	.0	.0	TRACE	5.5	8.5	8.9
63	3.7	2.2	9.3	1.3	TRACE	.0	.0	.0	.0	TRACE	3.6	4.5	9.3
64	5.9	8.8	2.1	4.2	.0	.0	.0	.0	.0	1.1	1.9	3.5	8.8
65	1.1	1.1	2.0	11.8	TRACE	.0	.0	.0	.0	.5	1.1	8.1	11.8
66	5.6	5.5	2.9	3.0	TRACE	.0	.0	.0	.0	1.9	5.6	8.4	8.4
67	4.3	1.4	1.2	9.6	.0	.0	.0	.0	.0	4.0	1.9	4.4	9.6
68	12.3	7.8	12.9	3.9	TRACE	.0	.0	.0	.0	TRACE	3.7	7.3	12.9
69	4.2	6.0	5.6	14.0	TRACE	TRACE	.0	.0	.0	TRACE	TRACE	6.2	14.0
70	4.9	3.2	8.0	7.3	8.4	TRACE	.0	.0	.0	3.0	5.3	6.8	8.4
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-0 (OEA)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
 CRF/LTAC
 AFM WEATHER SERVICE/MAC

EXTREME VALUES
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

12-755
 STATION

HILL AFB LT

STATION NAME

46-34

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41							.0	.0	.0	.0	4.0	5.3	10.4	
42		7.2	6.4	4.4	4.1	.0	.0	.0	.0	.0	.0	27.1	4.9	74.1
43		2.5	9.8	17.8	4.5	TRACE	.0	.0	.0	.0	.5	22.1	35.8	93.0
44		41.1	13.3	19.1	TRACE	.0	.0	.0	.0	.0	13.2	5.4	47.9	139.9
45		72.5	4.1	11.1	5.1	19.5	.0	.0	.0	TRACE	TRACE	5.6	7.8	85.9
46		70.0	12.9	19.2	3.3	.3	.0	.0	.0	.0	.8	11.3	26.7	111.5
47		44.9	27.3	76.2	TRACE	.0	.0	.0	.0	.0	.0	9.7	14.0	132.0
48		17.1	4.6	18.2	15.2	TRACE	.0	.0	.0	.0	4.2	.6	16.6	76.1
49		11.4	5.3	12.7	.7	TRACE	TRACE	.0	.0	.0	TRACE	2.0	6.6	38.0
50		71.4	13.9	.7	11.2	TRACE	.0	.0	.0	.0	TRACE	21.0	21.2	98.4
51		10.4	1.2	1.1	1.0	TRACE	.0	.0	.0	.0	6.4	3.4	6.6	44.3
52		18.6	.5	2.2	1.5	.0	.0	.0	.0	.0	.1	6.2	15.2	44.7
53		12.0	11.3	15.4	5.7	.0	.0	.0	.0	.0	TRACE	6.1	1.4	53.9
54		14.3	8.9	1.0	7.5	TRACE	.0	.0	.0	TRACE	.1	.4	6.2	38.7
55		11.4	16.6	7.9	1.0	1.0	.0	.0	.0	.0	TRACE	2.2	7.2	47.3
56		TRACE	4.9	6.3	5.0	TRACE	.0	.0	.0	.0	4.2	20.1	9.3	52.5
57		72.7	16.1	22.9	4.9	TRACE	TRACE	.0	.0	.0	2.5	1.9	TRACE	70.4
58		6.3	.5	15.6	21.2	.0	.0	.0	.0	.0	.0	4.3	12.3	60.2
59		20.0	4.1	16.3	13.8	18.6	.0	.0	.0	.0	.0	9.4	8.0	90.5
60		14.4	8.5	TRACE	15.1	7.4	.0	.0	.0	TRACE	.0	1.2	10.0	* 56.6
61		11.6	19.2	5.1	3.5	.0	.0	.0	.0	.0	1.3	7.4	9.3	57.4
62		70.9	6.5	10.9	15.8	.2	.0	.0	.0	.0	TRACE	5.5	22.7	92.5
63		9.1	4.7	21.2	4.3	TRACE	.0	.0	.0	TRACE	TRACE	8.3	26.3	73.8
64		13.3	34.8	2.6	5.2	.0	.0	.0	.0	.0	2.3	1.9	15.2	75.3
65		2.8	1.5	3.8	37.1	TRACE	.0	.0	.0	.0	.9	2.0	30.8	79.9
66		11.3	12.7	5.6	3.1	TRACE	.0	.0	.0	.0	1.9	16.4	9.5	36.5
67		8.7	3.7	1.4	12.7	.0	.0	.0	.0	.0	4.0	5.4	31.7	67.6
68		33.1	25.9	38.2	7.3	TRACE	.0	.0	.0	TRACE	TRACE	16.9	33.5	159.3
69		23.7	19.6	8.4	22.7	TRACE	TRACE	.0	.0	.0	TRACE	TRACE	18.7	93.1
70		18.6	7.6	29.6	26.7	14.0	TRACE	.0	.0	.0	3.9	23.9	12.4	135.7
MEAN														
S D														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0000 (OLA)

EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

46-24

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

720755
STATION

HILL AFB UT

STATION NAME

41-84

YEARS

MTH	NONE	TRACE	0'	AMOUNTS (INCHES)										PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
				01 04	05 08	09 12	13 16	17 20	21 24	25 28	29 32	33 36	37 40			MEAN	GREATEST	LEAST
JAN	9.7	8.6	1.1	8.6	8.8	18.8	16.8	8.3	.8					72.1	1333			
FEB	31.1	9.1	7.1	7.7	8.3	16.3	13.1	6.2	.9	.3				59.8	1187			
MAR	6.0	8.1	6.9	5.1	4.7	8.6	4.5	2.1						72.0	1302			
APR	48.7	3.3	2.5	1.6	1.1	1.0	.8	.1						7.9	1260			
MAY	98.2	.8	.2	.1	.4	.3								.9	1302			
JUN	100.0														1260			
JUL	100.0														1302			
AUG	100.0														1302			
SEP	99.8	.2		.1										.1	1260			
OCT	97.7	.8	.4	.5	.2	.4								1.4	1333			
NOV	75.4	5.8	4.9	3.6	3.1	5.8	1.4							18.8	1290			
DEC	39.9	10.6	8.6	8.0	6.9	12.4	11.7	1.7	.2					49.5	1333			
ANNUAL	75.8	3.9	3.4	2.9	2.8	5.4	4.0	1.5	.2	.0				70.2	15464			

FEDERAL CLIMATOLOGY BRANCH
 OFFICE
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

STATION HILL AFB LT STATION NAME

41-34

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
41		24	14	8	2						5	2	24
42		7	3	3						TRACE	0	5	7
43		14	14	2							3	5	14
44		7	7	4							4	1	7
45				3							5	8	
46		11	6	3							4	2	11
47		11	4	5	TRACE						5	12	12
48		18	12	TRACE							TRACE	22	38
49		16	7	2					TRACE		6	2	16
50		17	5	9						TRACE	5	14	14
51		13	19	3							5	17	19
52		1	5	7							TRACE	7	15
53		4	1								TRACE	1	8
54		12	7	5	TRACE						12	12	22
55		6	1	1						TRACE	5	6	6
56		7	1	1							4	7	7
57		5	3	1							2	1	5
58		9	TRACE	TRACE							TRACE	3	9
59		5	8	TRACE							TRACE	7	8
60	TRACE	3	3	1							5	8	8
61		15	8	1						TRACE	1	TRACE	15
62		4	1	7	5						2	5	7
63		15	7	3							4	4	14
64		5	5	10							2	4	17
65		5	14	2	1						3	2	14
66		15	4	5	4						0	13	15
67		13	4	12	2						7	10	12
68		17	19	14	3						0	6	19
69		6	1	2	13						1	12	13
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-0000 (OEA)

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS.)

STATION HILL AFB VT STATION NAME

41-34

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	1	5	3	3						4	5	12	17
2		4	TRACE	5						4	3	12	10
3		15	13	2							6	8	15
4		11	9	10							0	9	13
5		14	8	7	6						12	7	14
6			9	6	2						2	1	9
7			8	7	12						4		12
8			5		1						7	7	7
9		22	5	6							7	5	22
10		12	4	TRACE	TRACE					TRACE	5	6	13
11		13	5								2	7	13
12		16	5	4							1	9	16
13			5								9	27	27
14		1	12	4									
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	10.7	9.3	6.2	3.4	.7	.0	.0	.0	.0	.7	3.6	7.1	13.5
SD	6.823	7.055	4.320	3.237	1.642	.000	.000	.000	.309	1.462	3.110	5.389	6.388
TOTAL OBS	1373	1187	1372	1260	1302	1260	1302	1302	1260	1333	1290	1333	15069

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- 1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- 2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
 SAFETY
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

1975 HILL AFB UT STATION NAME

45-84 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	S	50N	42N	52S	45N	45SSW	49NNW	54SSW	41N	44SSW	49NNW	34SSW	36
2	EAF	44ENE	38SSW	57SSW	44ENE	47NNW	38S	78NW	43SSW	42WSW	51N	48NNW	43 SSE 57
3	N	45WSW	42S	47S	49ENE	53SSW	50ENE	45NW	57SSW	64ENE	38ENE	42SW	46 ENE 83
4	E	4NE	58S	57S	77NW	49NNW	43SSW	47ENE	56SW	43ENE	75NNW	43N	39 ENE 75
5	E	48S	43S	58S	49NNW	74SSW	45ENE	44ENE	43W	52ENE	56S	46NNW	44 NNW 70
6	ENE	75N	42N	49W	52S	51E	53SSW	44S	78ENE	38NNW	36NNW	41S	57 S 57
7	NNW	48S	43SE	36N	52N	39E	38SE	46E	35S	35S	42N	43N	33 NW 52
8	E	55S	34W	50E	50SSW	46S	42ENE	50W	59ENE	73NE	44N	48N	33 E 65
9	NNW	28E	34ENE	38ENE	35SSW	38NNW	35NW	39SW	40S	34E	46NNW	33N	24 E 46
10	SSW	41NE	39NNW	45NNW	38S	42SW	78E	41S	35ENE	34E	41NNW	34E	28 E 61
11	S	24N	35NNW	38S	42S	43NNW	38ENE	38NNW	42E	32E	37E	45E	48 E 42
12	E	44S	29E	73S	47SW	39SSW	78W	50SSW	38NNW	40E	58E	51NW	3E 73
13	E	48E	32SSW	38NNW	34SSW	36NNW	38ENE	31SW	47E	24S	45NNW	25E	22 E 48
14	SSW	73E	59E	53SSW	49S	37SSW	40ESE	29SSW	32SW	27S	78NW	28E	35 E 59
15	S	38NNW	24SSW	36E	47S	33W	37E	23SE	35NW	32W	39ENE	66W	40 E 71
16	S	40NNW	33E	32SSW	47SE	27S	78W	76N	28SE	30SSW	23S	31SW	33 S 40
17	E	25E	32N	35N	32S	46NW	39SW	31SW	61WSW	38NW	29SSW	33W	49 SW 66
18	S	38SW	33S	41SW	52SSW	47S	32E	72ENE	35N	32SSW	34SSW	36SE	57 SW 52
19	SW	40E	40N	41E	44SW	46NNW	2723/	3424/	3922/	3818/	3226/	3430/	32 SW 46
20	70/	4911/	4211/	4834/	40 5/	4826/	4223/	4918/	50 9/	38 8/	4216/	4510/	36 18/ 50
21	17/	3217/	38 8/	52 6/	4423/	5517/	4323/	4715/	4818/	4425/	3914/	4131/	44 8/ 57
22	8/	3818/	3718/	3122/	4319/	3422/	35 9/	36 3/	27 8/	40 8/	4227/	39 6/	30 22/ 43
23	8/	4136/	3535/	3925/	3821/	5120/	3333/	3520/	4517/	3517/	3918/	3234/	35 20/ 51
24	18/	34 9/	4215/	3311/	62 6/	4223/	5619/	40 9/	4026/	3525/	7828/	5119/	40 11/ 62
25	17/	2817/	4318/	5118/	5026/	4622/	3324/	3822/	39 9/	3415/	5029/	3032/	42 18/ 51
26	31/	4029/	3534/	4017/	4034/	3932/	37 8/	4123/	50 5/	4017/	4830/	37 9/	32 23/ 50
27	34/	3131/	4729/	3823/	4233/	4326/	3817/	5018/	3718/	3426/	2634/	40 5/	30 17/ 50
28	16/	38 9/	3236/	4820/	3225/	4620/	3923/	5025/	4218/	4017/	3727/	3630/	43 23/ 50
29	15/	2821/	38 8/	4417/	4832/	4229/	4232/	3829/	4021/	44 9/	38 8/	68 8/	61 8/ 68
MEAN													
SD													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-0 (OEA)

& (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

12-2-5
STATION

HILL AFB TX

STATION NAME

42-54

YEARS

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

DAILY PEAK GUSTS IN KNOTS

[illegible]

NOTES • (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-9 (OLA)

5. CRASSED ON LESS THAN FULL MONTHS AND +100 KNOTS

LITORAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ABT STATION NAME 75-84 YEARS 1944
CLASS ALL WEATHER 75-84
CONDITION MOVES (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.3									2.5	4.2
NNE	.7	.2										.4	3.3
NE	.1											.1	2.5
ENE	.4		.7									.8	4.6
E	1.6	2.7	1.9	.8	.5	.1	.2	.1				7.8	8.3
ESE	2.3	6.5	11.2	7.7	.3							28.0	8.7
SE	2.7	3.5	1.6	1.3								9.1	5.9
SSE	1.7	2.4	1.0	.3								5.4	5.1
S	2.2	2.9	2.0	2.7	.6	.2						11.5	8.4
SSW	.1	1.2	.9	.9	.5							4.2	8.7
SW	.6	.9	.4									1.8	4.6
WSW	.6	.4	.1	.1								1.3	4.5
W	.4	.2	.4	.3								1.4	6.7
WNW	.4	.4	.1	.2								1.2	5.5
NW	.9	.3	.2									1.4	3.5
NNW	1.5	1.0	.6	.1	.1							3.4	5.2
VARBL													
CALM												19.7	
	17.1	24.2	21.9	14.3	2.2	.1	.2	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 21755 HILL AFB TX STATION NAME 75-84 YEAR 1975
ALL WEATHER CLIM 6100-6500
COND

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.9	.5	.6		.1							2.2	5.4
NNE	.3	.1		.1								.5	5.2
NE	.1	.1										.2	3.5
ENE	.1	.1	.2									.4	5.8
E	.9	1.5	2.4	1.1	.5	.2	.2					6.8	9.9
ESE	2.8	5.1	11.9	11.1	.9	.1						31.8	9.5
SE	1.1	3.4	2.7	1.5								8.7	7.2
SSE	1.1	2.0	1.2	.2								4.5	5.5
S	1.4	2.4	2.5	3.2	.5	.5						12.5	9.5
SSW	1.2	1.7	.4	.6	.5	.1						4.6	8.0
SW	.2	1.2	.3									1.7	5.3
WSW		.5	.4									1.0	6.4
W	.1	.9	.5	.3								1.8	7.5
WNW	.2	.2	.1									.5	3.8
NW	.2	1.0	.4									1.6	5.7
NNW	1.1	1.0	.5	.1								2.7	4.2
VARBL													
CALM												25.3	
	11.6	21.7	24.3	18.3	2.6	1.0	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME FT. AFB TX YEAR 75-84 DATE 1 JAN 85
CLASS ALL WEATHER HOURS (L.S.T.) 600-2000
CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.5	.6	.1								2.3	5.1
NNE	.5	.2	.1									1.0	3.1
N E	.1	.1										.2	3.5
ENE	.1	.1	.1									.8	4.9
E	1.1	1.0	2.3	1.7	.5	.4						7.0	10.2
ESE	.7	4.5	12.0	14.9	1.5	.2						35.2	10.3
SE	1.5	2.2	2.6	1.1	.2							7.5	7.4
SSE	.3	2.3	.6	.3								4.0	5.6
S	1.3	3.9	2.9	1.2	.6	.1						11.9	8.4
SSW	.4	1.0	1.2	.9	.5							4.7	9.5
SW	.5	.5	.5	.3								2.0	6.2
WSW	.2	.3	.1	.2								.9	6.0
W	.2	.9	.3									1.4	5.4
WNW	.1	.2	.1									.6	4.0
NW	.5	.1	.3									1.0	4.2
NNW	1.2	.4	.5	.1								2.3	4.9
VARBL													
CALM												18.1	
	12.4	18.2	24.6	22.6	3.4	.8						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 75-255 HILL AFB LT STATION NAME 75-255 YEARS 1950
CLASS ALL WEATHER CCCC-11CC
CONDITION None (11V)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.1	.3	.3	.1							3.3	4.9
NNE	.5	.2	.1									1.0	3.7
NE	.3	.2										1.1	2.8
ENE	.3		.3	.1								.8	6.6
E	.7	.2	.6	.4	.8	.3						9.0	9.3
ESE	.7	.5	.9	.1	.1	.2	.2					30.6	9.7
SE	.7	.2	.2	.5								6.9	7.2
SSE	.6	.8	.5	.1								5.1	5.3
S	.7	.9	.0	.9	.5							13.0	8.8
SSW	.8	.4	.8	.1	.2	.3						6.1	8.3
SW	.2	.0	.1									1.1	4.5
WSW	.4	.5	.4	.1								1.5	5.3
W	.4	.6	.2			.1						1.4	5.8
WNW	.3	.1	.1									.5	3.6
NW	.5	.2		.3								1.1	6.4
NNW	.7	.9	.1	.2	.2							2.4	6.1
VARBL													
CALM												14.3	
	14.9	22.4	28.2	20.1	2.9	1.0	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-25 HILL AFB I STATION NAME 75-84 YEARS JAN 1978
CLASS ALL WEATHER HOURS 120-1400
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.6	.6	.4	.1							4.1	5.8
NNE	.1	.4	.7	.1								.9	6.1
NE	.7											.3	1.7
ENE	.7	.2										.5	3.7
E	2.3	1.9	1.9	.6	.2	.4	.2					7.6	7.8
ESE	.2	.4	.5	1.9	.1							17.0	7.4
SE	1.3	2.7	1.4	.2	.1							5.6	5.8
SSE	1.4	.9	.5	.4								3.1	5.2
S	1.3	4.2	3.1	3.5	.8							12.9	8.6
SSW	1.5	3.2	3.7	1.3	.2	.1						9.4	7.3
SW	1.5	.8	.5	.4								3.3	5.7
WSW	1.7	.9	.1	.1								1.9	4.1
W	1.4	1.2	.9	.1								3.5	4.7
WNW	.6	.4	.1	.2								1.4	4.6
NW	1.9	1.0	1.1	.2	.1							4.2	5.4
NNW	1.4	1.7	1.6	.2								4.9	5.6
VARBL													
CALM												23.2	
	19.2	24.6	27.8	9.8	1.6	.5	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

20-765 HILL AFB LT STATION NAME 75-84 YEARS 1953-1956
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.5	1.1	.2	.1							5.7	4.7
NNE	1.1	.2	.1									1.4	3.1
NE	.4	.3	.2									1.0	4.2
ENE	.2		.3	.2								.8	8.4
E	1.5	1.2	.5	.4	.3	.3						4.3	7.8
ESE	1.2	1.1	1.7	.4	.1							6.8	5.5
SE	.3	1.4	.4									3.7	3.7
SSE	1.2	1.5	.9									4.3	4.4
S	1.3	2.6	2.4	2.3	.5							9.6	8.6
SSW	1.3	2.0	1.9	1.2	.2							7.2	7.6
SW	1.7	1.5	.4	.2								3.9	4.4
WSW	1.7	.4	.1	.1								2.4	3.5
W	2.5	.8	.4									3.9	4.6
WNW	1.6	.8	.7		.1							2.8	4.3
NW	1.7	2.2	.5	.2		.1						4.7	5.2
NNW	1.3	4.4	1.8	.3								9.9	4.8
VARBL													
CALM												27.8	
	27.8	23.9	12.8	5.8	1.4	.4						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
MET WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 75-84 DATE JAN YEAR 1977
STATION NAME ALL WEATHER CLASS 18-2-2000
CONDITION 100% (L.S.Y.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.4	.9	.4								8.3	4.3
NNE	1.7	.5		.1								1.9	3.4
NE	.5		.1									.6	3.2
ENE	.1			.1								.2	7.5
E	1.6	1.7	.6	.5	.5	.1	.1					5.3	7.5
ESE	2.4	4.3	4.4	1.4	.1							12.6	6.8
SE	2.9	1.6	.6	.1								5.4	4.3
SSE	1.3	1.7	.5	.1								4.2	4.3
S	1.5	1.7	2.0	2.6	1.0							11.6	8.5
SSW	1.1	1.7	.9	.3								4.0	5.6
SW	1.1	.6	.2									1.9	3.6
WSW	.5	.4	.1									1.1	4.1
W	1.4	.4	.4	.1								2.4	4.1
WNW	.5	.5	.2									1.4	3.9
NW	.3	.8	.1									1.6	3.8
NNW	2.3	2.9	.9	.1								5.6	4.2
VARBL													
CALM												31.9	
	21.3	24.3	12.5	6.1	1.6	.1	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12-755 WILL AFB TX STATION NAME 75-84 YEARS 1981
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.9	.5	.6								3.3	5.6
NNE	.9	.2	.2									1.2	4.6
NE	.7	.1										.4	2.3
ENE	.1	.1	.1		.1							.4	9.3
E	1.2	1.5	1.1	.6	.2	.1	.3					5.2	8.9
ESE	2.7	6.3	9.7	4.7	.3							22.0	7.9
SE	2.6	3.8	1.5	.5								8.3	5.3
SSE	1.2	2.0	.9	.2								4.9	5.6
S	2.5	3.2	2.9	3.2	1.2	.1						13.0	8.5
SSW	1.1	1.9	.8	.6	.1							4.5	6.2
SW	.2	.9	.1									1.7	3.8
WSW	.7	.4	.1									.9	4.1
W	1.1	.5	.3	.1								2.0	4.3
WNW	.2	.2	.1									.5	4.4
NW	.9	.4	.7									1.5	4.4
NNW	.3	1.2	.8									2.7	4.9
VARBL													
CALM												27.3	
	18.2	23.8	17.5	10.8	1.9	.2	.3					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 816

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-755 HILL AFB LT STATION NAME YEARS 75-84 MONTH JAN
ALL WEATHER CLAIM ALL MONTHS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.6	.3	.1							4.0	4.0
NNE	.5	.2	.1	.0								1.0	3.8
NE	.7	.1	.0									.5	3.1
ENE	.0	.1	.2	.1	.0							.6	6.1
E	1.5	1.7	1.7	1.0	.5	.1	.1	.0				6.7	8.8
ESE	.1	5.1	9.1	5.5	.6	.1	.0					22.5	8.9
SE	1.5	2.5	1.6	.8	.0							6.9	6.1
SSE	1.0	1.8	.9	.2								4.4	5.0
S	1.7	3.2	2.9	1.1	.7	.1						11.8	8.6
SSW	1.0	2.0	1.3	.8	.3	.1						5.5	7.5
SW	.2	.9	.3	.1								2.2	8.7
WSW	.6	.5	.2	.1								1.4	4.6
W	.7	.7	.4	.1		.0						2.2	5.0
WNW	.6	.4	.1	.1	.0							1.1	4.3
NW	.3	.7	.4	.1	.0	.0						2.1	5.0
NNW	1.6	1.7	.9	.1	.0							4.2	4.9
VARBL													
CALM												22.8	
	18.1	22.9	19.8	13.5	2.2	.5	.2	.0				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 7480

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 745 HILL AFB UT STATION NAME 75-64 YEARS EER
ALL-WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.2									1.2	4.6
NNE	1.2	.2	.1									1.5	2.8
NE	.7	.1										.6	2.4
ENE	.4	.4										.7	3.0
E	.3	1.2	1.4	2.1	.4	.6						6.5	10.6
ESE	2.4	.1	1.9	2.4	.4							39.5	8.7
SE	1.7	2.7	1.6	.7								6.4	6.3
SSE	1.2	3.5	1.5	.2	.1							6.6	5.7
S	1.4	1.4	4.1	3.8	1.1							13.2	9.0
SSW	.3	.5	.6	.5	.1							3.1	7.0
SW	.1	.2										.6	3.6
WSW	.1	.4	.2	.2								.9	7.5
W	.2	.2	.2									.7	5.0
WNW	.2	.2	.1									.6	4.8
NW	.5	.6	.1	.1	.1							1.4	6.5
NNW	.2	.2	.2	.2	.1							1.1	8.9
VARBL													
CALM												15.0	
	11.4	23.6	29.9	17.3	2.2	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 849

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0-755 HILL AFB TX STATION NAME 75-34 YEARS 1950-1954 1950-1954
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.2	.5	.5								1.5	7.8
NNE	.7											.5	1.8
NE	.2											.2	1.5
ENE	.2											.2	2.0
E	1.1	1.6	1.4	2.0	1.2	.4	.1					7.8	10.7
ESE	1.0	5.0	15.1	17.6	1.5							42.0	10.1
SE	1.6	2.7	2.0	1.1								7.4	6.4
SSE	.3	1.2	.9	.1								3.7	5.4
S	1.4	2.9	5.2	1.8	.9							14.3	9.0
SSW	.6	.7	1.0	.1								2.6	6.3
SW	.2	.7	.0	.1								1.5	6.0
WSW		.1	.1									.2	7.5
W	.2	.4	.5	.1								1.2	6.6
WNW	.1	.1	.1	.2								.6	8.8
NW	.7	.4										1.1	3.3
NNW	.5	.0	.2	.2								1.5	5.7
VARBL													
CALM												13.3	
	10.4	18.6	27.8	25.8	3.7	.4	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15-54 HILL AFB UT STATION NAME 15-54 YEAR 1969

ALL WEATHER
CLASS

6455-0850
FORM (11-7)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.2	.6	.1							2.4	7.4
NNE	.1		.2									.4	6.7
NE	.1											.3	2.0
ENE	.4											.4	2.3
E	.5	1.2	2.1	1.9	.7	.4						7.1	16.6
ESE	.5	2.1	15.4	2.7	2.9	.1						43.5	11.2
SE	.2	2.9	2.2	.4								6.4	6.2
SSE	.5	2.8	1.3	.2	.1							5.1	6.4
S	1.4	3.5	4.5	4.5	.4	.1						13.9	8.8
SSW	.7	1.1	1.4	.5	.4							3.8	8.0
SW	.4	.5	.1									.7	4.8
WSW	.1		.4	.1								.6	8.8
W	.1	.4	.5	.5	.1							1.8	8.6
WNW	.2	.4	.5									1.1	6.3
NW	.1	.4	.1	.1								.7	6.5
NNW	.2	.4	.4	.1	.2							1.3	8.7
VARBL													
CALM												11.1	
	7.3	17.7	28.9	25.6	4.9	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12-755 HILL AFB LT STATION NAME 75-84 YEARS FEB 1992-11-99
ALL WEATHER CLIM LOWE (L.S.V.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	1.6	.1	.2							3.4	7.5
NNE	.8	.2	.1									1.2	3.2
NE	.2											.2	1.0
ENE		.1	.1									.2	5.5
E	1.3	1.6	2.1	2.2	1.2	.1						9.1	9.5
ESE	1.9	5.5	14.7	16.7	1.2	.2						35.9	10.1
SE	1.3	1.8	1.9	.2								5.5	5.7
SSE	.5	1.6	.7	.6								3.4	6.6
S	.5	2.4	5.7	5.8	1.3							15.7	10.4
SSW	.5	1.1	1.9	1.1	.1							4.6	8.0
SW	.4	.2	.2									1.4	8.3
WSW	.1	.4	.4									.8	6.3
W	.4	.5	.5	.2								1.5	6.8
WNW	.1	.4	.4									.8	6.3
NW	.5	.2	.1									.8	3.7
NNW	.5	1.3	.5	.2	.1							3.1	6.8
VARBL													
CALM												9.3	
	10.5	18.7	30.5	26.5	4.1	.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 849

CLIMATOLOGY BRANCH
USAFETAC
AF-WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 755 HILL AFB LT STATION NAME 75-84 YEARS 12-80-1986
CONDITION ALL WEATHER
CLIM

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	1.5	.7	.1							5.4	6.7
NNE	.7	.4		.1								1.2	4.6
NE	.2		.2									.5	5.5
ENE	.5	.2		.1								.9	4.6
E	1.4	1.9	.9	.7	.5							5.4	7.0
ESE	2.5	6.2	4.9	2.1								15.8	6.7
SE	.3	2.1	1.2									4.1	5.3
SSE	1.1	1.9	1.7	.4								4.6	6.6
S	.5	2.7	7.2	5.4	1.2	.7						17.8	10.6
SSW	.9	2.9	1.8	.7	.6							6.9	7.6
SW	2.1	1.4	.7	.1	.1							3.7	5.0
WSW	.7	1.5	.4									2.6	4.3
W	1.6	1.2	.6	.1								3.5	4.5
WNW	.9	.5	.6	.6	.1							2.7	7.2
NW	1.2	1.6	.2	.1								3.3	4.3
NNW	2.1	1.6	1.9	.4								5.9	5.6
VARBL													
CALM												15.7	
	17.7	28.8	23.8	11.5	2.6	.7						106.6	5.9

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFM WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12-755 HILL AFB LT STATION NAME 75-84 YEARS FE2
CLASS ALL WEATHER 1500-1700
CONDITION LOGS (L.I.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.5	1.2	.8	.1							8.6	5.8
NNE	.5	.5										.9	3.8
NE	.5	.2										.8	2.7
ENE	.4	.2		.2								.8	5.4
E	.7	.9	.4	.6	.1							2.7	7.0
ESE	2.6	2.1	1.1	.2								6.0	4.7
SE	.9	1.3	.7	.1								2.6	4.5
SSE	.5	2.1	.7	.4								3.8	5.8
S	.2	1.4	3.8	5.8	.7	.2						14.7	10.0
SSW	.7	2.1	2.1	1.1	.1							6.1	7.6
SW	2.1	1.6	.9									4.7	4.3
WSW	1.1	.9										2.2	3.2
W	2.5	1.2	1.1	.2								5.1	4.5
WNW	1.6	1.5		.1								3.3	3.9
NW	2.7	2.2	.7	.1								5.1	4.6
NNW	7.4	5.7	1.4	1.3								11.8	5.3
VARBL													
CALM												21.3	
	23.2	29.7	13.5	11.0	1.1	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22755 WILL AFB UT STATION NAME 75-84 YEARS 650
ALL WEATHER CLIM 1000-2000
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.2	1.5	.7								8.5	5.1
NNE	.7	.2										.9	2.6
NE	.2											.8	2.6
ENE	.7		.1	.2	.1							1.2	6.7
E	1.3	1.5	.5	.2			.2					4.1	6.2
ESE	7.7	5.1	4.6	1.4	.1							14.5	6.4
SE	2.5	3.1	.7	.2								6.5	4.4
SSE	1.2	1.9	1.6	.4								5.1	5.9
S	1.1	3.4	3.8	4.7	.6	.5						13.3	9.7
SSW	1.1	.6	.6									2.2	4.4
SW	.7	.4	.4	.1		.1						1.6	6.2
WSW	.7	.4	.1		.1							1.6	4.8
W	.5	.5	.1	.1								1.3	4.5
WNW	.7	.5	.2	.1								1.5	4.6
NW	1.5	1.3	.4	.1		.1						3.4	5.0
NNW	2.2	4.7	.8	.2								7.3	4.5
VARBL													
CALM												26.1	
	21.3	25.0	15.8	7.9	.9	.7	.2					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 849

JETRAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME HILL AFB TX YEARS 75-84 CFB 849
CLASS ALL WEATHER 211C-215C
CONDITION 800M (1.5V)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5	1.4	.7	.2								2.6	6.6
NNE	.7											.7	2.3
NE	.5		.1									.6	3.8
ENE	.7	.2	.1	.1								.7	5.7
E	1.1	1.9	2.7	.6	.4	.4	.1					7.3	8.2
ESE	2.7	8.7	13.2	5.7	.1							36.4	7.7
SE	.5	2.5	2.5	.2								7.7	5.3
SSE	1.1	2.7	1.7	.2								5.3	5.7
S	1.9	3.5	4.2	1.1	1.2	.1						14.0	9.0
SSW	1.2	.6	1.2	.1								3.1	5.8
SW	.7	.5	.6									1.3	6.0
WSW	.5	.1	.1									.7	3.8
W	.1	.6		.2								.5	6.6
WNW	.5		.1	.2								.8	6.6
NW		.4	.1	.1								.6	7.6
NNW	1.5	1.2	.5	.1								3.3	8.5
VARBL													
CALM												19.8	
	15.1	24.3	27.4	11.0	1.6	.5	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 849

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILL AFB LT STATION NAME 75-84 YEARS 1950
ALL WEATHER ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	15 - 17	18 - 20	21 - 23	24 - 26	27 - 30	31 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	1.7	1.5	1.1										4.2	6.1
NNE	1.3	1.7	1.1	1.0											9.0	3.2
NW	1.4	1.1	1.0												5.5	2.8
ENE	1.4	1.1	1.0	1.1	1.0										6.6	4.8
E	1.2	1.5	1.4	1.3	1.5	1.2	1.1								6.2	9.1
ESE	2.3	5.6	11.0	9.1	1.8	1.0									28.8	9.1
SE	1.5	2.4	1.5	1.4											5.8	5.6
SSE	1.3	2.3	1.2	1.3	1.0										4.7	5.9
S	1.1	1.2	1.2	1.5	1.9	1.2									14.7	9.6
SSW	1.2	1.3	1.3	1.5	1.2										4.0	7.2
SW	1.7	1.8	1.4	1.0	1.0	1.0									1.9	5.0
WSW	1.5	1.5	1.2	1.0	1.0										1.2	4.0
W	1.3	1.6	1.4	1.2	1.0										2.0	5.5
WNW	1.6	1.8	1.3	1.2	1.0										1.4	5.6
NW	1.8	1.9	1.2	1.1	1.0	1.0									2.0	4.9
NNW	1.3	1.0	1.8	1.4	1.1										4.4	5.5
VARIABLE																
CALM															16.4	
	18.2	23.2	28.7	17.6	2.7	1.5	1.1								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 4702

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 000795 HILL AFB TX STATION NAME 75-84 YEARS MAR
CLASS ALL WEATHER 0000-0100
MOON (L.V.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	1.4	.3								2.7	6.6
NNE	.9	.3	.2									1.3	4.1
NE		.2	.1									.3	6.0
ENE	.7	.2	.2									.8	4.6
E	.7	1.5	2.3	1.3	.3	.3						6.0	9.9
ESE	2.4	7.2	19.5	7.7	.2							37.0	8.3
SE	2.7	2.3	1.2	.3								6.5	5.0
SSE	1.2	1.0	1.2	.4								4.7	6.0
S	1.2	3.1	5.7	5.3	.6	.3						16.0	9.7
SSW	1.1	1.2	.9									3.0	4.6
SW	.2	.2	.2									.6	5.2
WSW	.2	.4	.2									.9	5.4
W	.2	.2	.1	.1								1.1	7.6
WNW	.2	.2	.1	.2								.8	6.9
NW	.2	1.2	.2	.2	.1							2.0	6.4
NNW	.2	.5	.9	.6	.1	.1						3.1	7.7
VARBL													
CALM												12.3	
	12.7	21.8	34.3	16.8	1.4	.8						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 755 HILL AFB LT STATION NAME 75-84 YEARS 1947
ALL WEATHER
CLIM
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.4	.5	.2							5.1	6.9
NNE	.6	.6	.1									1.4	3.8
NE	.6	.1										.8	3.6
ENE	.2	.2		.1	.1							.6	8.6
E	.5	1.2	1.9	2.5	.5	.1	.1					7.2	16.1
ESE	1.2	5.7	18.5	12.3	.1							18.1	9.2
SE	1.7	2.7	2.9	.3								6.5	5.8
SSE	.5	1.4	.8	.6								3.7	6.1
S	1.1	1.7	5.2	4.6	1.7							13.5	9.9
SSW	.5	1.1	1.7	.6								3.5	7.2
SW	.2	.4	.2									.9	5.4
WSW	.2	.3										.5	4.4
W	.5	.1	.3	.3								1.3	6.7
WNW	.2	.3	.1		.1							.8	6.9
NW	.2	.3	.9	.1								1.5	7.4
NNW	.2	1.5	1.6	.5								3.9	7.2
VARBL													
CALM												10.9	
	11.2	18.5	18.6	22.6	2.0	.1	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 836

FLORAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME HILL AFB LT YEARS 75-84 MAP MOBILE
STATION ALL WEATHER CLASS CLAS TACD-PCOC MOBILE (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.1	.2	.5	.1							3.5	6.6
NNE	.2	.8	.3	.1								1.4	5.9
NE	.1	.1	.1									.3	5.0
ENE	.1	.3	.1									.6	4.0
E	1.2	.9	1.6	2.0	1.2	.3	.1					7.0	11.4
ESE	1.0	4.6	14.9	12.1	.4							39.9	10.1
SE	1.7	1.6	1.5	.1								4.5	5.6
SSE	1.7	2.3	1.6	.3	.1							5.6	5.8
S	1.2	2.7	5.1	1.4	.9							13.0	9.4
SSW	.4	.9	1.7	.4		.1						3.1	8.0
SW	.5	.4	.2	.3								1.5	6.1
WSW	.3											.3	2.0
W	.7	.3	.5	.2								1.4	6.7
WNW	.7	.5	.7	.1								1.1	5.9
NW	.2	.5	.8	.2								1.7	6.9
NNW	1.7	1.6	1.4	.4		.1						4.5	6.8
VARA													
CALM												10.4	
	10.9	18.5	30.5	26.3	2.7	.5	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
374 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 20785 NAME WILL AFB TX STATION NAME 75-84 YEARS 1949
ALL WEATHER CLASS 1949-1950
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.8	2.2	1.0	.1							6.8	7.1
NNE	.5	.4	.3									1.4	4.2
NE	.1	.1										.2	3.0
ENE	.1	.2		.1								.8	5.0
E	1.1	1.4	1.9	1.7	.3	.4						6.5	9.7
ESE	1.1	4.9	11.6	8.1	.4							26.1	9.3
SE	1.7	2.2	1.2	.4								5.1	5.4
SSE	.6	1.4	1.3	.4	.1							3.9	7.1
S	.2	3.0	5.3	5.6	1.7	.5						16.9	11.0
SSW	.2	2.2	1.5	1.3	.4	.1						6.8	8.6
SW	.5	1.1	.6	.1								2.4	5.3
WSW	.2	.9	1.0	.2	.2							2.5	7.7
W	.2	1.2	.9	.6	.1							3.4	7.2
WNW	.5			.1								.6	4.2
NW	.7	1.4	.3	.3								2.3	6.0
NNW	.6	2.1	1.9	1.3	.1							6.0	8.0
VARBL													
CALM												8.2	
	10.3	25.2	30.3	21.4	3.5	1.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILLARD YEAR 75-84 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	2.3	.2	.3	.1						6.5	6.5
NNE	.4	.4	.3									1.2	4.7
NE	.2	.4	.2									.9	5.1
ENE	.7	.3			.2							.8	7.7
E	1.2	.9	1.1	1.5	.4							5.1	9.0
ESE	1.2	1.0	1.0	.3	.1							3.5	6.4
SE	1.0	.9	.3	.1	.1							2.4	5.2
SSE	.5	.2	1.6	.6								3.9	6.9
S	.2	3.3	3.9	5.4	2.9	.3						17.8	10.6
SSW	.3	3.5	2.5	2.3	.6	.4	.1					10.2	9.3
SW	1.3	2.8	2.0	.6	.2							7.0	6.8
WSW	.5	.5	1.4	.3								2.9	7.3
W	1.5	2.8	3.4	2.2	.2							10.1	7.8
WNW	.9	1.2	1.2	.8	.1							4.1	7.3
NW	1.1	2.2	1.6	.5	.1							5.5	6.7
NNW	1.1	2.2	2.5	2.3	.2							8.8	8.1
VARBL													
CALM												9.9	
	15.5	25.7	25.1	17.1	5.6	.9	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 755 WILL AFB UT STATION NAME 75-84 YEARS 1969
ALL WEATHER 15°C-17°C
 CLIM 15-17
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.5	2.6	.8	.1	.2						8.3	7.2
NNE	.5	1.2	1.2	.1								2.8	5.6
NE	.4	.2	.1									.8	4.0
ENE	.4	.2	.2									1.0	4.3
E	.2	1.4	.5	1.6	.3							4.6	8.9
ESE	.4	1.1	.2	.2								2.5	6.0
SE	1.1	.0	.2	.2								2.4	4.8
SSE	.5	1.0	.5	.9								3.2	7.5
S	.2	3.1	4.1	4.5	.5	.4						17.3	10.6
SSW	1.5	2.7	1.4	1.5	.2	.3						7.2	8.2
SW	.2	2.5	1.4	.8	.2	.1						5.8	7.2
WSW	1.3	2.3	2.4	.6	.1	.1						7.3	6.6
W	1.7	3.5	3.3	.4	.1		.1					8.8	6.6
WNW	.2	2.7	1.8	.8	.3							6.5	7.4
NW	1.0	2.2	1.5	.2								4.8	6.2
NNW	1.2	3.8	2.7	1.6	.2							10.1	7.1
VARBL													
CALM												10.6	
	15.6	30.6	25.2	14.2	2.5	1.2	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00755 HILL AFB LT STATION NAME 75-84 YEARS MAP DATE
ALL WEATHER CLASS 18-0-2000-
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.4	2.8	.9	.4	.1	.1					10.6	7.6
NNE	.5	.1	.1									.8	1.1
NE	.3	.1										.4	2.5
ENE	.1	.1		.1								.3	7.3
E	1.6	1.1	1.7	1.2	.4							5.3	7.7
ESE	2.5	4.2	3.4	.3								10.4	5.8
SE	2.6	1.9	.8	.2								5.1	4.3
SSE	1.1	3.3	1.5	.3	.1							6.8	5.8
S	1.4	4.1	4.1	3.3	.6							13.5	8.5
SSW	.3	1.9	1.1	.9	.3							4.5	8.3
SW	1.1	1.3	.3	.2		.1						3.6	5.5
WSW	.3	1.7	.5	.1								2.6	5.2
W	1.7	.8	.6	.1	.1	.1						3.8	5.5
WNW	.7	.6	.2	.5								1.6	7.8
NW	1.3	.5	1.7	.4								3.5	6.0
NNW	1.7	2.7	1.5	.9	.1							7.0	6.1
VARBL													
CALM												21.7	
	19.1	28.0	19.1	9.5	2.2	.1	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-7-5 HILL AFB LT STATION NAME 75-84 YEARS MAR 1980
ALL WEATHER CLASS 21.6-23.0C MONTH (C.V.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.1	1.7	.6	.1							5.7	6.5
NNE	.1	.3	.1									.5	4.6
NE	.5	.2	.1									.9	3.6
ENE		.3										.5	4.0
E	1.0	1.9	1.2	1.5	.5	.2	.1					8.1	8.4
ESE	2.7	2.7	1.8	2.2								27.8	7.1
SE	1.7	1.3	1.7	.2								7.1	5.3
SSE	1.1	1.2	1.7	.2								6.7	5.7
S	.4	1.1	5.3	2.5	.5	.4						11.7	9.3
SSW	.1	1.1	1.1	.3	.1							2.9	7.1
SW		.1		.1								.4	5.8
WSW	.2	.4	.2	.3	.1							1.3	7.5
W	.4	.4	.5	.4								1.8	7.8
WNW		.2	.2		.1							.8	7.1
NW		.2	.1		.1							.4	9.3
NNW	.2	1.4	.9	1.1	.2	.1						4.3	8.3
VARBL													
CALM												19.0	
	11.1	28.4	29.2	9.0	1.8	.8	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

UNITED STATES AIR FORCE
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HILL AFB LT STATION NAME 75-84 YEARS 1975 MAP 1000
 CLASS ALL WEATHER ALL ALL
 CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	1.5	.6	.2	.1	.0					6.1	6.9
NNE	.7	.5	.3	.5								1.3	4.8
NE	.7	.5	.1									.6	4.0
ENE	.2	.3	.1	.0	.0							.7	5.5
E	1.1	1.7	1.5	1.7	.5	.2	.0					6.2	9.5
ESE	1.7	4.7	1.4	6.1	.2							23.2	8.6
SE	1.5	1.9	1.2	.2	.0							4.9	5.2
SSE	.5	2.7	1.7	.5	.0							4.8	6.2
S	1.7	3.5	4.9	4.3	1.1	.3						14.5	9.9
SSW	.7	1.7	1.4	.9	.2	.1	.0					5.2	8.1
SW	.5	.1	.5	.3	.1	.0						2.7	6.4
WSW	.5	.7	.7	.2	.1	.0						2.3	6.5
W	.3	1.2	1.2	.6	.1	.0	.0					3.9	7.1
WNW	.4	.7	.5	.3	.1							2.0	7.1
NW	.5	1.1	.9	.3	.0							2.7	6.5
NNW	1.7	2.7	1.7	1.1	.1	.0						6.0	7.4
VARBL													
CALM												12.9	
	17.4	24.6	28.6	17.1	2.7	.7	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12-755 WILL AFB LT STATION NAME 75-84 YEARS APR
ALL WEATHER CCCC-CCCC
 CLASS MOON (L.V.)
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.6	1.2	.4	.1	.1						4.9	7.6
NNE	.2	.4	.2	.1								1.7	4.3
NE	.3	.1	.1	.2								.8	6.4
ENE	.2		.3	.3	.1							.9	9.8
E	.7	1.7	2.1	2.4	.7	.1	.2	.1				7.3	11.4
ESE	1.3	6.7	27.7	12.2	.3							41.7	9.1
SE	.4	3.3	3.2	.2								7.2	6.5
SSE	.1	1.6	1.8	.6	.1							4.1	7.8
S	.4	2.6	2.6	2.8	1.0	.1						9.4	10.0
SSW	.2	1.7	.3	.1								1.7	6.0
SW	.4	.6	.3									1.3	5.2
WSW	.4	.6	.1									1.1	3.9
W	.2	.6	.8	.3								1.9	7.2
WNW	.3	.4		.1								.9	4.8
NW	.2	.7	.1									1.1	4.2
NNW	.7	1.3	1.0	.2	.1							3.3	6.7
VARB													
CALM												10.7	
	8.0	21.3	34.8	20.1	2.4	.3	.2	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 725755 HILL AFB MT STATION NAME 75-84 YEARS APR MONTH
ALL WEATHER CLIM 7300-0500 LHM (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	1.3	.3								4.7	6.0
NNE	1.0	.4	.2	.1								1.8	4.4
NE	.7	.3	.1									1.1	3.7
ENE	.2	.1			.1	.1						.6	5.4
E	.9	1.0	1.1	2.7	.7	.2		.3				7.0	12.1
ESE	1.0	4.4	17.3	19.0	.1	.2						42.1	10.2
SE	.7	2.7	1.1	.9								5.4	6.6
SSE	.4	1.4	1.1	.6	.2							3.8	7.7
S	.6	2.3	3.6	3.4	.7	.3						10.9	10.2
SSW	.2	1.2	.9	.3								2.7	6.6
SW	.2	.9	.1									1.2	4.5
WSW	.1	.1	.3	.1								.9	6.6
W	.1	.2	.1	.3								.8	8.1
WNW	.2	.3	.4	.2								1.3	6.7
NW	.6	.8	.6									1.9	5.6
NNW	1.0	1.3	1.6	.2								4.1	5.7
VARBL													
CALM												9.8	
	8.9	20.0	30.2	28.1	1.8	.9		.3				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 22-755 WILL AFB UT STATION NAME 75-84 YEARS APR
CLASS ALL WEATHER DATA (C.Y.) 666-0000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.1	1.1	.2							4.9	7.5
NNE	.4	.9	.4									1.8	4.8
NE	.7	.6	.1	.2								1.8	4.6
ENE	.7	.3	.1	.1								.9	5.3
E	.4	.2	1.1	2.6	1.7	.4	.1	.2				6.8	13.2
ESE	1.3	4.8	14.5	21.8	1.2							43.7	16.6
SE	1.1	1.4	1.9	.9								5.3	7.1
SSE	.5	1.7	.4	.6	.2							3.1	7.4
S	.8	2.1	7.7	4.6	.8	.1						11.7	10.2
SSW	.1	.8	.4	.1								1.4	6.7
SW	.4	.1	.7									.7	4.0
WSW		.7	.3	.1								.8	7.3
W	.1	.7	.4	.4								1.7	8.3
WNW	.1	.4	.6	.1								1.2	7.2
NW	.4	1.7	.4									1.9	5.1
NNW	.9	2.3	.6	.4								4.2	5.8
VARBL													
CALM												8.2	
	9.0	19.8	26.3	12.7	3.8	.6	.1	.2				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 22755 HILL AFB LT STATION NAME 75-84 YEARS 1975
ALL WEATHER CLASS 900-1100
CONDITION 2000 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.2	2.3	1.2								7.9	6.8
NNE	.7	.8	.7									2.1	5.0
NE	1.2	.1										1.1	2.8
ENE	.1	.1	.1	.1	.2	.2						.9	13.6
E	.8	1.7	1.6	2.8	1.0	.3	.1	.3				8.6	12.3
ESE	.9	3.6	7.2	4.7	.2							16.6	8.9
SE	.8	1.0	.9	.3								3.0	6.1
SSE	.7	1.1	1.2	.6								3.6	6.7
S	1.3	2.9	4.6	6.1	4.1	.3						19.3	11.6
SSW	.5	1.8	2.0	1.3	.3	.1						6.4	8.6
SW	1.7	1.3	1.1	.3								4.2	5.8
WSW	.2	.9	1.3	.7	.1							2.7	7.8
W	1.0	.9	1.8	.7								4.3	6.8
WWW	.7	1.2	.9	.2								3.0	5.8
NW	.7	1.2	1.1	.1								2.8	6.2
NNW	1.2	1.7	1.7	1.1	.3							6.0	7.4
VARBL													
CALM												7.6	
	11.0	23.8	28.8	19.8	6.3	1.0	.1	.3				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 75755 WILL AFB TX STATION NAME 75-84 YEARS ADD 1250-1400
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	3.6	2.2	1.3								7.0	7.1
NNE	.4	.3	.4									1.2	5.3
NE		.7	.3	.2								1.2	7.8
ENE	.7	.2	.4	.3	.2	.1						1.7	9.7
E	.7	.2	1.2	.6	.7		.1	.1				3.2	12.3
ESE	.5	1.3	.5		.1							3.2	5.9
SE	.6	1.2	.8	.1								2.7	5.7
SSE	.1	.4	.7	.8	.1	.1						2.2	9.6
S	.5	2.1	3.3	3.1	3.8	.8	.1					13.8	12.4
SSW	.6	3.4	3.3	1.9	1.1	.2						10.6	9.3
SW	1.4	3.9	2.8	1.7	.2	.1						10.0	7.5
WSW	.6	2.4	1.8	1.0								5.8	7.2
W	.1	.4	3.6	1.2	.1							11.2	6.8
WNW	.3	2.8	1.8	1.1								6.8	6.9
NW	.5	2.4	2.9	1.0								7.2	6.9
NNW	.7	1.8	3.2	.9	.2							6.8	7.8
VARBL													
CALM												5.0	
	11.2	31.0	29.7	15.2	6.2	1.3	.2	.1				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 75-755 HILL AFB MT STATION NAME 75-84 YEARS APR MONTH
ALL WEATHER CLASS 15:00-17:00 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.1	2.8	1.2	.3							9.1	7.1
NNE	.2	.2	.2	.3								2.7	6.3
NE	.1	.9	.1		.1							1.2	6.2
ENE	.7	.2	.2	.1	.1							1.6	7.3
E	.4	.4	1.2	.8	.1	.2	.1					3.4	10.4
ESE	.2	.2	.7	.2	.1							2.1	6.3
SE	.4	.7	.7									1.8	5.6
SSE	.6	.7	.4	.7	.2							2.6	8.4
S	1.1	1.7	3.2	2.8	2.1	.2						11.1	11.6
SSW	1.2	1.9	1.9	1.9	.4	.1						7.1	8.9
SW	1.2	2.2	2.3	.8	.3	.1						6.8	7.9
WSW	.7	2.9	1.8	.8		.1						6.2	6.8
W	1.2	4.7	5.3	1.1	.1							13.1	6.8
WNW	1.2	3.9	2.8	.3	.2							8.2	6.8
NW	1.2	3.2	2.7	.6	.1							7.8	6.5
NNW	1.1	2.3	3.6	.7	.2							7.9	7.1
VARBL			.1									.1	9.0
CALM												7.8	
	14.3	29.8	30.4	12.2	4.6	.8	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 800

JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL AFB UT STATION NAME 75-84 YEARS APR
ALL WEATHER 1850-1966
CLIM MONTH (L.T.P.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.7	1.8	1.6	.3							11.8	7.1
NNE	1.4	1.4	.6									3.4	4.3
NE	.4	.7			.1							1.2	5.0
ENE	.4	.2			.2							.6	6.6
E	1.4	1.4	.9	1.4	.2	.2	.1					5.8	8.7
ESE	1.4	1.1	2.0	.7								7.4	6.1
SE	.9	1.7	.8	.1								3.4	5.1
SSE	.5	1.6	1.2	.4	.2		.1					4.4	7.5
S	.6	2.3	1.9	2.6	.7	.2						10.7	9.1
SSW	.2	2.1	1.1	.9	.2	.1						5.6	7.7
SW	1.1	1.3	.2	.1	.1							2.9	4.8
WSW	1.1	.8	.4	.2	.1							2.7	5.4
W	2.1	1.6	.6	.1								4.3	4.3
WNW	.2	1.2	1.0	.3								3.3	6.2
NW	1.7	2.2	.7	.4								4.7	5.2
NNW	1.9	1.2	1.8	1.2	.1	.2						8.4	6.8
VARBL													
CALM												19.0	
	19.2	29.2	19.1	10.1	2.3	.8	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 755 HILL AFB UT STATION NAME 75-84 YEARS 480
ALL WEATHER CLASS 21.0-23.0C
CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.4	.8	.1							6.1	7.4
NNE	1.1	1.1	.7	.1								2.7	4.8
NE	.1			.2								.3	11.3
ENE	.7	.1	.7		.1							1.2	6.0
E	1.1	2.1	1.7	2.1	.1	.1	.2					7.7	8.6
ESE	2.6	10.7	18.7	1.9								35.8	7.4
SE	1.1	2.1	2.1	.2								5.3	5.8
SSE	.7	1.8	1.7	.3								6.4	5.9
S	.1	2.4	2.7	2.8	.1							7.8	9.4
SSW	.4	1.2	1.1	.1								2.8	6.2
SW	.7	.4	.1	.1	.2							1.7	8.5
WSW	.2	.3	.1	.1	.1							.9	7.6
W	.5	.5	.5		.2							1.9	6.2
WNW	.1	.2										.7	3.8
NW	.2	1.3	.7									1.9	5.5
NNW	.5	1.9	1.6	1.2	.4	.2						5.9	9.1
VARBL													
CALM												11.6	
	11.1	30.1	33.3	11.9	1.4	.1	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-755 STATION 1011 AFB LT STATION NAME 75-84 YEARS 1975-84
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	2.2	1.0	.1	.0						7.1	7.6
NNE	.2	.4	.5	.1								2.2	4.8
NE	.4	.4	.1	.1	.0							1.1	5.4
ENE	.1	.2	.2	.1	.1	.1						1.0	8.4
E	.3	1.1	1.4	1.9	.6	.2	.1	.1				6.2	11.1
ESE	1.1	4.4	10.3	7.8	.3	.0						24.1	9.1
SE	.7	1.8	1.4	.3								4.3	6.2
SSE	.5	1.5	1.1	.6	.1	.0	.0					3.8	7.4
S	.7	2.4	3.3	3.5	1.6	.3	.0					11.8	10.7
SSW	.5	1.7	1.4	.8	.3	.1						4.8	8.2
SW	.3	1.3	.5	.4	.1	.0						3.5	6.8
WSW	.4	1.1	.8	.3	.0	.0						2.6	6.7
W	1.0	1.7	1.6	.5	.1							4.9	6.6
WNW	.6	1.3	.9	.3	.0							3.1	6.3
NW	.7	1.6	1.1	.3	.0							3.7	6.1
NNW	1.0	2.0	1.9	.7	.2	.1						5.8	7.2
VARBL												.0	9.0
CALM												9.9	
	11.3	25.8	29.0	18.8	3.6	.7	.2	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 75C WILL AFB TX STATION NAME 75-84 YEARS MAY
CLASS ALL WEATHER 0000-0200
CONDITION WIND (KTS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	1.1	.6								6.2	5.6
NNE	.2	.5	.2	.1								1.2	6.3
NE	.3	.4	.4	.1								1.3	6.3
ENE	.3		.7	.1								1.2	5.1
E	.5	1.7	1.7	1.4	.3	.1						5.9	8.9
ESE	2.3	9.8	25.1	9.7	.1	.1						46.0	8.5
SE	1.2	3.1	2.5	.6								7.4	6.4
SSE	.3	1.9	1.4	.2								4.3	5.9
S	.7	2.6	4.2	2.7	.3	.1						10.4	8.8
SSW	.7	.3	.5	.2		.1						1.5	9.1
SW	.2	.8	.7									1.3	5.5
WSW	.2	.1	.2	.2								.6	9.5
W	.1	.3	.1	.3								.9	7.9
WNW		.1	.1	.1								.3	8.7
NW	.7	.2	.2									.6	4.8
NNW	.2	.8	.8	.6	.2	.1						2.7	9.4
VARBL													
CALM												8.1	
	9.6	24.5	39.2	17.1	1.0	.5						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 910

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 125755 HILL AFB UT STATION NAME 75-84 YEARS MAY
ALL WEATHER CLIM C TCC-6500
CONDITON

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.3	.4								4.9	5.6
NNE	1.1	.6										1.7	2.6
NE	.5	.1										.6	2.7
ENE	.1	.1	.2									.4	6.0
E	.2	1.3	1.7	1.1	.8	.1						6.1	9.2
ESE	2.1	6.3	21.8	18.2	.8							48.8	9.7
SE	1.5	2.6	2.6	.9								7.5	6.8
SSE	.5	2.2	.9	.1								3.7	6.7
S	.4	1.6	4.6	2.2	.5	.1						9.5	9.2
SSW	.3	.5	1.1	.2								2.0	6.8
SW	.1	.2	.9	.1								.9	7.8
WSW	.2	.1	.3	.1	.2							1.0	9.6
W		.3	.4	.1								.9	8.1
WNW	.1	.2	.1									.6	4.0
NW	.1	.2	.3									.6	5.8
NNW	.1	1.2	.8	.3								2.3	6.7
VARBL													
CALM												8.5	
	10.8	18.8	16.1	23.7	1.9	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 830

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

105755 HILL AFB UT 75-84 MAY 1975
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.6	.9	.9								4.6	6.1
NNE	1.5	.1	.2									1.8	2.9
NE	1.7	.1	.1	.2								1.4	4.5
ENE	.4	.1	.2									.8	4.4
E	.5	1.2	1.7	2.0	.8							6.6	10.1
ESE	1.7	7.2	18.7	20.0	1.9							48.7	10.0
SE	.3	2.3	1.7	1.1								5.5	6.9
SSE	.4	2.4	1.5	.2								4.5	6.2
S	.7	2.7	3.7	3.0	.4							9.1	9.3
SSW	.7	1.7	1.5	.2								2.9	7.6
SW	.7	.3	.5	.2								1.4	7.2
WSW		.7	.1	.4								.9	10.0
W	.7	.6	.4	.4								1.7	7.7
WNW	.1	.2										.3	3.3
NW	.1	.6	.5									1.3	6.3
NNW	.3	.5	1.7	.2								2.5	6.4
VARBL													
CALM												6.3	
	10.2	20.6	31.1	28.9	3.0							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL AFB UT DATE 75-04 MONTH MAY
ALL WEATHER
 CONDITION CLM

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.7	2.4	.3	.1							7.6	5.7
NNE	.6	.4	.2									1.3	4.3
NE	.2	.5	.1	.1								1.3	4.3
ENE	.2	.7	.7									1.5	4.4
E	2.2	2.9	2.7	1.7	.6							9.6	7.6
ESE	2.2	4.7	5.2	1.7	.1							13.1	7.0
SE	1.2	1.5	.9									3.3	4.7
SSE	.7	1.2	.9	.4								3.2	6.1
S	.6	2.4	4.5	4.1	1.6	.4						14.7	10.4
SSW	1.6	3.2	3.7	.7	.3	.1						8.9	6.7
SW	1.2	1.6	1.5	.6	.1							5.4	6.4
WSW	.4	1.5	.2	.2								2.4	5.4
W	1.5	1.4	1.7	1.4	.1							5.4	7.1
WNW	1.1	1.7	.6	.2	.1							1.0	5.7
NW	1.2	1.5	.9	.1								3.7	5.2
NNW	.5	1.7	2.3	1.0								5.8	7.4
VARBL													
CALM												9.8	
	19.5	28.7	26.6	12.3	7.1	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 75-755 HILL AFB TX STATION NAME 75-84 YEARS MAY
CLASS ALL WEATHER MONTH 12-6-14 CC
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.2	2.5	.9								8.7	6.2
NNE	.2	.4	.7	.1								1.6	4.6
NE	.6	.4										1.1	3.1
ENE	.7	.8	.1	.1								1.3	4.9
E	.5	.9	.5	.8								2.7	7.5
ESE	.1	.7	.8	.2								1.4	8.2
SE	.4	.3	.7									1.0	4.3
SSE	.2	.0	.5	.3								1.9	7.6
S	.3	3.0	7.2	2.6	.9	.6						11.1	10.0
SSW	1.2	2.5	7.2	1.8	.9							9.6	8.8
SW	1.4	3.5	1.9	.8	.2							7.8	6.5
WSW	1.7	1.2	2.5	.8								6.1	6.6
W	2.1	2.5	3.1	2.0	.1	.1						13.9	6.6
WNW	1.6	3.7	2.8	.6	.1							8.8	6.3
NW	2.0	1.9	2.0	.5								9.4	5.7
NNW	1.1	2.0	3.0	.9	.2							8.1	7.5
VARBL													
CALM												5.6	
	17.4	33.0	28.5	12.4	2.4	.8						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72755 WILL AFB UT STATION NAME 76-84 YEARS MAY
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.6	2.5	1.2	.3							14.3	6.3
NNE	1.2	1.1	.1	.1								2.5	3.0
NE	.3	.2		.2								1.2	4.6
ENE	.5		.1	.1								.8	4.4
E	.3	1.2	.6	.8	.1							3.1	8.0
ESE	.5	1.1	.6	.1								2.4	5.5
SE	.1	1.5	.5	.1								1.7	6.0
SSE	.1	.8	1.5	.4	.1		.1					3.0	9.5
S	.2	2.5	3.6	1.5	.2	.2	.1					8.2	8.8
SSW	.3	2.3	2.2	1.7	.6	.1	.1					7.3	8.8
SW	.5	2.3	1.5	.5	.4							5.6	7.0
WSW	1.1	2.7	2.2	.9	.1							6.5	6.7
W	2.5	4.8	3.7	1.1	.1	.1						12.7	6.4
WNW	1.4	3.8	2.4	.2								7.8	5.8
NW	2.2	2.6	3.6	.3	.2							8.8	6.2
NNW	1.3	3.8	2.7	1.1	.3							9.4	6.7
VARBL													
CALM												8.4	
	17.1	33.2	27.7	10.8	2.6	.4	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

125765 HILL AFB TX 75-84 MAY
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.T.V.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.7	3.7	1.4	.5	.1						13.4	6.6
NNE	1.2	.9	.2									2.4	3.6
NE	1.7	.5	.2									1.7	3.6
ENE	.2	.2	.2									.6	5.6
E	1.7	1.1	.2	.8								4.3	5.8
ESE	1.7	3.1	1.2	.3								5.6	5.9
SE	2.3	1.3	.4									4.0	3.7
SSE	1.7	1.9	1.7		.1	.1	.1					5.6	6.8
S	1.3	4.1	3.1	2.3	.2	.1						11.1	7.7
SSW	.2	2.2	1.5	.6	.3	.1						5.5	7.6
SW	.2	1.2	.5	.1		.2						3.6	6.4
WSW	.2	1.7	.4	.4	.2							3.6	6.5
W	2.7	1.6	.5	.4		.1						4.7	5.4
WNW	1.7	1.6	.4	.4	.1	.1						3.6	6.8
NW	1.7	1.8	.5	.2								4.3	4.4
NNW	2.5	3.9	2.2	.6	1.5	.3	.2					10.7	7.8
VARBL													
CALM												17.6	
	22.4	31.4	17.2	7.7	2.5	1.2	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-755 STATION NAME WILL AFB LT 75-84 YEARS MAY
ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.3	1.6	.9	.2							7.6	6.4
NNE	1.2	.5	.2	.1								2.0	3.0
NE	.4	.4	.3									1.2	5.6
ENE	.5	.2	.1			.1						1.0	5.6
E	1.5	2.7	2.2	1.6	.3							8.7	7.2
ESE	4.5	12.4	18.7	1.6								32.0	6.7
SE	2.5	2.3	2.4	.1								7.3	5.1
SSE	1.5	2.7	1.7	.2								5.6	5.0
S	.2	.5	1.8	1.3	.5							9.4	8.3
SSW	.4	.2	.3	.3								1.3	6.5
SW	.2	.3	.1	.2	.1							1.0	8.6
WSW	.1	.1	.2	.1								.5	7.6
W		.5			.2							.8	9.1
WNW	.1	.2		.2								1.1	6.6
NW	.4	.9	.3									1.6	4.7
NNW	.3	1.9	1.4	.9	.8	.2						5.7	8.9
VARBL													
CALM												13.7	
	16.1	31.8	28.7	7.6	1.8	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-755 HILL AFB TX 75-84 MAY
STATION NAME YEARS MONTH
ALL WEATHER CLASS ALL
CONDITION MONTHS (L.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.7	1.9	.8	.1	.0						7.9	6.1
NNE	1.2	.6	.2	.1		.0						1.8	3.9
NE	.5	.3	.1	.1								1.2	4.4
ENE	.5	.2	.2	.0		.0						.9	4.9
E	1.1	1.6	1.4	1.3	.4	.0						5.8	8.1
ESE	1.7	5.4	1.8	6.5	.3	.0						24.8	8.7
SE	1.2	1.9	1.2	.3								4.7	5.7
SSE	.5	1.7	1.3	.2	.0	.0	.0					3.9	6.5
S	.5	2.8	3.8	2.4	.6	.2	.0					10.4	9.1
SSW	.5	1.5	1.7	.7	.3	.1	.0					4.9	8.1
SW	.5	1.3	.9	.4	.1	.0						3.3	6.8
WSW	.5	1.0	.0	.4	.1	.0						2.7	6.9
W	1.2	1.9	1.2	.7	.1	.0						5.1	6.6
WNW	.7	1.3	.8	.2	.0	.0						3.1	6.1
NW	1.0	1.5	1.2	.1	.0							3.8	5.5
NNW	1.0	1.9	1.8	.7	.3	.1	.0					5.9	7.6
VARBL													
CALM												9.7	
	15.4	27.7	29.4	15.0	2.3	.5	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

25765 WILL AFB UT STATION NAME 74-83 YEARS 1944
ALL WEATHER CLIM 0000-0300
CONDITON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	1.0	.2								4.8	5.2
NNE	.3	.4	.1									.9	4.1
NE	.4	.2		.3								1.0	7.0
ENE	.2	.3	1.3	.9								2.9	8.9
E	.9	1.3	4.2	3.3	.1							9.9	9.4
ESE	1.3	7.1	24.9	18.6	.3							52.2	9.7
SE	1.2	2.3	1.8	.4								5.8	6.1
SSE	.4	1.3	1.6	.4								3.8	7.1
S	.7	1.4	3.1	1.1	.3							6.7	8.2
SSW	.2	.7	.6									1.4	6.2
SW		.2										.2	5.0
WSW	.2	.1										.3	2.7
W		.2										.2	6.0
WNW	.1	.3	.1									.6	5.2
NW	.4	.4	.2									1.1	4.1
NNW	.5	1.1	1.1	.3								3.1	6.8
VARBL													
CALM												5.1	
	8.6	19.9	40.0	25.7	.8							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00755 HILL AFB LT STATION NAME 74-83 YEARS JUN MONTH
ALL WEATHER CLASS 100-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	.3	.1								2.1	4.7
NNE	.7	.7										1.3	3.5
NE	.3	.2	.1	.2								.9	6.5
ENE	.4	.6	.9	.6	.2							2.7	8.5
E	1.1	.9	2.4	4.8	.2							9.3	10.1
ESE	.6	7.7	23.4	27.6	1.6							60.1	10.5
SE	.4	2.7	1.2	.3								4.0	6.4
SSE	.7	1.6	.8	.3								2.9	6.9
S	.2	1.5	4.7	2.7	.1							7.3	9.4
SSW	.1	.8	.6									1.4	5.8
SW			.1	.1								.2	11.5
WSW	.1	.1	.2									.4	5.3
W	.1	.4										.6	4.4
WNW	.3	.3		.1								.8	4.9
NW	.2	.1	.1									.4	4.3
NNW	.5	.6	.3	.2								1.7	5.6
VARBL													
CALM												3.8	
	6.3	16.9	34.6	36.3	2.1							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 126755 WILL AFB LT STATION NAME 74-83 YEARS 1944
ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	1.6									5.2	5.4
NNE	.1	.3	.2									.7	5.2
NE	.4	.1										.6	2.6
ENE	.6	1.0	.9	.7								2.7	7.0
E	.1	2.4	4.7	5.2	.4							11.4	9.7
ESE	1.1	5.7	19.2	26.9	2.3							55.2	10.8
SE	.7	1.9	.9	.7								4.1	6.7
SSE	.1	.7	1.2	.3								2.6	7.2
S	.2	.1	3.1	2.1	.2							5.8	10.4
SSW	.1	.2	.1	.1								.6	6.8
SW		.1										.1	6.0
WSW	.1	.2	.1	.1								.8	7.6
W	.1		.1		.1							.6	9.6
WNW	.3	.1	.1									.4	3.6
NW	.5	.4										1.0	3.1
NNW	.7	1.1	.8	.1								2.7	5.7
VARB													
CALM												3.6	
	7.6	16.9	32.7	36.2	3.1							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 800

TROPICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17555 HILL AFB LT STATION NAME 74-83 YEARS JUN MONTH
ALL WEATHER CLAIM 0000-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.7	1.3	.4								6.6	5.6
NNE	.9	.7	.2									1.7	1.9
NE	.9	1.7	.2									2.1	4.1
ENE	.9	1.4	.6	.2								3.1	5.4
E	1.7	3.9	4.6	2.8	.4							13.3	7.9
ESE	1.4	6.7	9.9	4.2	.1							21.7	8.1
SE	.6	.8	.3									1.7	4.8
SSE	.4	.9	.9	.4								2.7	6.9
S	.7	3.1	5.3	5.3	1.0	.2						15.7	10.1
SSW	.9	2.1	2.7	1.0								6.0	7.5
SW	1.1	2.3	1.7	.6								5.0	5.9
WSW	.4	.4	.7	.3								1.9	6.8
W	.7	1.4	.6	.1								2.8	5.5
WNW	.4	.9	.6	.2								2.1	6.3
NW	.7	1.6	.4	.2		.1						3.0	6.1
NNW	.7	1.3	2.1	.8								4.9	7.4
VARBL													
CALM												6.4	
	13.4	30.6	30.7	16.7	1.6	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL AFB TX YEARS 74-83 1111
ALL WEATHER 1200-1400
CONDITION CLIM

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.2	4.3	2.2	1.0								9.3	6.6
NNE	.3	1.3	.3									2.4	4.4
NE	1.1	.8	.4									2.3	4.2
ENE	1.1	.3	.2									1.9	3.5
E	.6	.8	.2	.2								1.8	5.3
ESE	.2	1.0	.6									2.2	4.8
SE	.3	.8	.4									2.0	4.6
SSE	.3	.8	1.7	.1	.1							2.7	7.0
S	1.4	4.2	5.2	3.8	1.4	.3						16.6	9.3
SSW	.6	3.0	4.0	1.8	.1							9.1	7.9
SW	1.4	4.1	2.2	1.0	.1							9.0	6.4
WSW	1.2	2.4	2.3	.2								6.2	6.2
W	1.1	4.2	3.9	.6		.1						9.9	6.6
WNW	.7	2.8	2.8	.3	.1							6.7	6.9
NW	1.2	3.1	1.6	.3								6.2	5.6
NNW	.8	2.9	2.4	.6								6.7	6.3
VARBL													
CALM												5.0	
	15.5	37.3	30.2	9.2	1.9	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7-756 HILL AFB LT STATION NAME 74-83 YEARS JUN 1967
CLASS ALL WEATHER 1500-1700
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	8.7	4.9	.7								16.9	5.8
NNE	.9	1.6	.4									2.9	4.5
NE	1.4	1.2	.1	.1								2.9	3.7
ENE	.5	.1										.7	2.3
E	.7	.7	.1	.2								1.7	4.5
ESE	.4	.5	.5		.1							1.7	6.3
SE	.4	.9	.4									1.8	5.1
SSE	.4	.6	1.2	.3	.1							2.7	7.6
S	.5	2.6	2.1	1.6	.7	.1						7.6	9.0
SSW	1.4	2.6	2.7	1.9								8.6	7.5
SW	1.4	2.3	2.1	.6	.1							6.1	6.7
WSW	1.4	2.6	1.9	.3	.1							6.3	6.1
W	2.1	1.4	1.4	.2	.3	.1						7.7	6.1
WNW	1.6	3.4	1.9	.4		.1						7.4	6.1
NW	2.2	4.2	2.0									8.4	5.0
NNW	1.7	5.7	2.0	.7								10.2	6.3
VARBL													
CALM												6.6	
	19.2	40.7	24.8	7.0	1.4	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL AFB UT YEARS 74-83 MONTH JUN
 ALL WEATHER
 CLIM
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.7	6.8	4.0	7	2							18.3	5.1
NNE	2.3	2	1									3.3	3.0
NE	1.3		1									1.4	2.3
ENE	1.2	4	1									1.8	2.8
E	2.9	1.8	1.3	8								6.8	5.4
ESE	1.9	4.6	1.9	6								8.8	5.6
SE	1.7	2.8	2	2								4.9	4.6
SSE	1.1	2.6	8	1								4.6	4.8
S	1.2	3.1	1.4	1.1	3	1						7.3	7.3
SSW	9	1.2	9	4	1							3.6	7.1
SW	4	6	2	6								1.8	7.4
WSW	2	7	3	2								1.6	6.4
W	1.1	1.1	4	1								2.8	4.8
WNW	3	6		3								1.2	7.2
NW	1.3	1.6	7	1								3.7	4.8
NNW	2.7	5.2	1.1	1.1								10.3	5.5
VARBL													
CALM												17.9	
	27.3	33.8	13.9	6.3	7	1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 000755 HILL AFB MT STATION NAME 74-83 YEARS 1974
CLASS ALL WEATHER MONTHS 21-C-23CC
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	2.7	.9	.1							7.7	6.8
NNE	.9	.2	.3									1.3	4.2
NE	.7	.7										1.3	3.7
ENE	.3	.6	.9	.3								2.4	5.9
E	2.2	3.4	3.9	1.7	.1							10.4	6.8
ESE	7.4	12.1	23.6	5.7		.1						44.2	7.5
SE	1.7	3.8	1.7	.1								6.2	5.6
SSE	.2	1.5	1.1	.2								3.3	6.5
S	.4	1.1	1.6	1.9	.3							5.2	9.3
SSW	.2	.6		.1								.9	5.3
SW	.7	.2	.1									.7	4.5
WSW		.1			.1							.2	10.5
W		.3	.2	.1								.7	6.7
WNW	.2	.3	.1									.7	4.2
NW	.3	.6	.1									1.0	4.4
NNW	.8	1.6	1.4	.7	.1							4.6	7.2
VARBL													
CALM												9.1	
	13.0	29.9	36.9	10.2	.8	.1						100.0	6.4

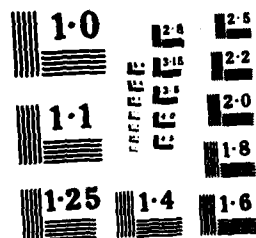
TOTAL NUMBER OF OBSERVATIONS 900

UNCLASSIFIED

HILL AFB UTAH REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS (RU..U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 84
USAF/AFAC/DS 84/029 SRI-AD-E850 746 F/G 4/2

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL AFB LT STATION NAME 74-83 YEARS 1974
CLASS ALL WEATHER MONTH ALL
CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.8	2.2	.5	.0							9.8	5.7
NNE	.9	.8	.2									1.8	3.9
NE	.3	.5	.1	.1								1.6	4.1
ENE	.2	.6	.5	.3	.0							2.3	6.2
E	1.3	1.9	2.6	2.3	.2							9.3	8.2
ESE	1.7	5.5	13.7	17.7	.6	.0						30.8	9.4
SE	.9	1.9	.8	.2								3.8	5.5
SSE	.4	1.3	1.1	.3	.0							3.1	6.6
S	.7	2.1	3.2	2.3	.6	.1						9.0	9.2
SSW	.5	1.4	1.3	.6	.0							3.9	7.3
SW	.6	1.2	.7	.3	.0							2.9	6.4
WSW	.5	.8	.7	.2	.0							2.2	6.3
W	.7	1.4	.9	.1	.1	.0						3.1	6.2
WNW	.5	1.1	.7	.2	.0	.0						2.5	6.3
NW	.9	1.5	.6	.1	.0	.0						3.1	5.1
NNW	1.7	2.4	1.6	.6	.0							5.5	6.3
VARBL													
CALM												7.2	
	14.7	28.2	30.5	18.5	1.5	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7266

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7755 STATION HILL AFB LT STATION NAME 74-83 YEARS 1971
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.5	.2								1.6	6.3
NNE	.7	.3	.2									.9	5.1
NE	.1	.3	.2	.2								.9	8.1
ENE		.2	1.2	.3								1.7	9.1
E	.5	1.7	3.7	3.4	.3							9.7	10.0
ESE	1.5	5.3	24.7	25.4	.6							56.2	10.3
SE	.5	2.4	1.6	1.6								6.1	7.5
SSE	.2	2.4	2.9	.4								5.8	7.0
S	.4	1.2	4.6	2.6								8.6	8.9
SSW	.2	.4	.3		.1							1.1	7.0
SW	.1		.2									.3	6.7
WSW	.1	.1										.2	3.0
W	.1		.1									.2	4.0
WNW		.2	.1									.3	6.1
NW		.4	.2									.6	5.5
NNW	.7	.6	.5									1.5	5.8
VARBL													
CALM												4.0	
	4.5	15.9	40.3	34.2	1.1							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00755 HILL AFB UT STATION NAME 74-83 YEARS 1944
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.6	.7									1.3	4.1
NNE	.7	.1										.4	2.1
NE	.4	.6	.1	.1								1.3	4.8
ENE	.7	.3	.5	.6								1.7	8.8
E	1.1	1.2	2.8	3.7	.3							9.4	9.3
ESE	.9	4.5	17.7	36.7	1.9							60.3	33.5
SE	1.1	4.1	1.7	.9	.1							7.7	6.5
SSE	.2	1.9	1.4	.8								4.0	7.1
S	.1	1.8	4.7	1.3								8.2	8.5
SSW	.1	.4	.8	.2								1.5	7.8
SW	.1	.1	.1									.3	5.3
WSW			.1	.1								.2	13.5
W	.1	.1	.1									.3	4.7
WNW													
NW	.2	.3										.5	3.4
NNW	.1			.1								.2	8.5
VARB													
CALM												2.6	
	5.8	16.2	29.6	83.8	2.4							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL AFB TX STATION NAME WILL AFB TX YEARS 74-83 100%
CLASS ALL WEATHER 6000-CRCC
CONDITION 1000 (U.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.4									1.3	5.4
NNE	.1	.1										.2	3.0
NE	.1	.1	.2	.1								.5	6.6
ENE	.4	.3	.5	.1								1.4	6.2
E	1.7	2.5	4.8	5.3								13.9	9.3
ESE	1.3	6.9	18.1	34.1	2.9							63.0	11.3
SE	.5	1.6	1.7	1.0								4.4	7.2
SSE	.3	.9	1.8	.8								3.7	8.0
S	.1	1.1	3.5	1.9	.1							6.8	9.2
SSW		.3	.5	.1								1.0	7.8
SW			.1	.1								.2	10.5
WSW		.1	.1									.2	8.0
W	.1	.1										.2	3.5
WNW													
NW			.2									.3	7.3
NNW		.3	.4									.8	6.7
VARBL													
CALM												2.4	
	5.1	14.7	31.9	43.4	2.9							100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22755 HILL AFB UT STATION NAME 74-83 YEARS ALL WEATHER
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	.4	.3								4.0	4.8
NNE	.5	.4										1.0	3.2
NE	1.4	.9										2.2	3.6
ENE	.4	.5	.7									1.3	5.0
E	1.8	4.1	5.4	2.6	.2							14.1	7.5
ESE	1.2	7.3	14.7	6.3	.2							29.8	8.6
SE	1.1	1.7	.9	.1								2.9	5.5
SSE	.4	1.5	1.6	.3	.3							4.2	8.0
S	1.7	4.6	7.7	7.7	.6	.1						21.4	9.6
SSW	1.5	2.4	2.6	1.1								7.5	6.8
SW	.6	.6	.9									2.0	5.4
WSW	.2	.4	.2									.8	5.1
W	.2	1.3	.6									2.2	5.8
WNW	.3	.8	.2									1.3	4.8
NW	.2	.5	.1									.9	4.6
NNW	.5	.6	.2									1.4	4.6
VARBL													
CALM												3.1	
	13.2	28.6	15.1	18.5	1.4	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

125755 HILL AFB UT 74-83 111
STATION NAME YEARS
ALL WEATHER
CLASS
1700-1400
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.5	1.2									8.2	4.0
NNE	1.1	2.2	.1									3.3	4.0
NE	1.1	1.0	.1									2.2	3.5
ENE	1.1	1.0	.2	.1								2.4	4.0
E	.6	1.5	.9	.1								3.1	5.7
ESE	.9	1.3	.3	.1								2.5	4.8
SE	.9	.2	.1	.1								1.9	4.2
SSE	.2	.6	.8	.2	.1							1.9	7.6
S	2.0	4.4	6.2	4.6	1.2	.1						19.2	9.1
SSW	1.5	5.6	4.0	1.4		.1						12.6	6.7
SW	1.3	3.5	2.0	.4	.1							7.8	6.0
WSW	.5	2.7	1.7	.2								5.2	6.3
W	1.4	4.6	4.0	.6								10.6	6.4
WW	.6	2.2	2.9	.1								5.7	6.4
NW	1.1	1.9	.9	.1								3.8	5.4
NNW	.6	2.0	1.6	.1								4.4	6.0
VARBL													
CALM												5.2	
	16.3	40.9	27.8	8.3	1.4	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 125755 HILL AFB UT STATION NAME 74-83 YEARS 1960-1960
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	0.1	2.3	.1	.1							14.4	5.6
NNE	1.2	1.4	.1									3.3	3.7
NE	1.6	1.3	.2									3.1	3.6
ENE	.9	.4	.1									1.4	3.5
E	.6	1.4	1.7	.6		.1						3.8	7.6
ESE	.2	.8		.1	.1	.1						1.2	6.3
SE	.5	.3	.1	.2	.1							1.3	6.2
SSE	.3	.5	1.2	.5	.2							2.8	8.8
S	1.3	3.7	3.7	2.6	.3	.1						10.3	8.4
SSW	.3	2.6	2.3	.4	.4	.1						6.6	7.6
SW	1.7	2.6	1.6	.8								5.9	6.8
WSW	1.6	1.7	.9	.2								4.4	5.1
W	2.7	5.3	3.4	.3	.1							11.2	6.0
WNW	.5	3.8	3.3	.4	.1							8.2	6.7
NW	1.8	3.7	2.4	.1								8.0	5.4
NNW	1.4	4.7	2.2	.1								8.4	5.4
VARBL													
CALM												5.8	
	19.2	42.6	24.0	6.6	1.5	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12755 HILL AFB MT STATION NAME 74-83 YEARS 1980-2000
CLASS ALL WEATHER HOURS (L.T.Y.) 1800-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	4.0	1.7	.8								12.9	4.6
NNE	2.3	.5	.3	.1								3.3	3.4
NE	2.4	.7										3.7	2.2
ENE	1.1	.5	.1	.2	.1							2.0	5.1
E	3.3	1.6	1.4	1.4	.2							8.2	6.0
ESE	2.7	4.9	4.5	.9								12.3	6.5
SE	1.6	1.7	.7	.7								4.0	4.6
SSE	1.9	1.2	1.1	1.1	.2							6.1	6.7
S	.8	1.9	2.5	2.2	.3	.1	.1					7.7	9.4
SSW	.7	1.1	1.3	.5								3.1	7.5
SW	.4	.3	.7	.1	.1							1.3	6.7
WSW	.1	.1	.4	.1								1.0	6.3
W	.8	1.4	.4		.1	.1						2.8	5.6
WNW	.5	1.1	.4	.2								2.2	5.8
NW	.5	1.4	1.1	.1								3.1	5.8
NNW	2.9	3.3	1.1	.8	.2							8.3	5.4
VARBL													
CALM												19.0	
	28.0	26.0	16.9	8.5	1.3	.2	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 225755 WILL AFB UT STATION NAME 74-03 YEARS 1974-1975
ALL WEATHER CLASS 2100-2300 HOUR (L.T.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	1.8	.9								3.7	8.5
NNE	.3	.1	.1	.1								.6	5.7
NE	.3	.5	.1									.9	4.8
ENE	.1	.5	.2	.2								1.9	6.9
E	1.1	2.7	3.1	2.7	.4							10.2	8.6
ESE	1.5	8.4	32.5	7.6	.1							50.1	8.4
SE	1.1	2.4	2.4	.4								6.1	6.4
SSE	.8	2.2	2.1	.5	.1							5.6	6.7
S	.2	1.6	3.9	2.5	.5	.1						8.8	9.8
SSW		.2	.1	.4								1.0	9.3
SW			.1									.1	7.0
WSW		.1										.1	6.0
W		.1	.1	.3								.5	10.6
WNW	.2	.1	.3									.6	5.8
NW		.4	.4		.1							1.0	8.2
NNW	.5	.5	.9	.5	.1	.2						2.9	9.0
VARBL													
CALM												5.8	
	7.1	20.3	48.9	16.2	1.4	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 124755 HILL AFB UT STATION NAME 74-83 YEARS 1971-1973
ALL WEATHER CLIMB ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.8	1.1	.3	.0							5.9	5.1
NNE	.9	.7	.1	.0								1.6	3.8
NE	.0	.6	.1	.1								1.7	3.8
ENE	.6	.5	.5	.2	.0							1.7	6.1
E	1.4	2.1	2.9	2.5	.2	.0						9.0	8.3
ESE	1.1	4.9	11.9	11.8	.7							34.4	10.0
SE	.0	1.3	1.0	.6	.0							4.3	6.3
SSE	.6	1.0	1.6	.5	.1							4.3	7.3
S	.9	2.4	4.5	3.2	.4	.1	.0					11.4	9.2
SSW	.4	1.6	1.0	.5	.1	.0						4.3	7.1
SW	.4	.9	.7	.2	.0							2.3	6.3
WSW	.1	.7	.4	.1								1.5	5.8
W	.5	1.6	1.1	.2	.0	.0						3.5	6.1
WNW	.1	1.0	.9	.1	.0							2.3	6.3
NW	.5	1.1	.6	.0	.0							2.3	5.5
NNW	.8	1.5	.9	.2	.0	.0						3.5	5.9
VARBL													
CALM												6.0	
	12.4	25.6	31.8	22.4	1.7	.1	.0					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7480

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

225755 HILL AFB UT 74-83 74-83
STATION NAME YEAR
ALL WEATHER CLASS
CCCC-5200
CONDN (L.S.V.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	1.1	.3								3.6	6.4
NNE	.2	.2										.4	3.3
NE	.1		.2									.3	5.3
ENE	.4	.3	.2		.1							1.1	6.2
E	.8	.3	.4	.4	.6							10.2	10.4
ESE	.3	5.7	25.3	24.9	.1							56.8	10.2
SE	1.1	3.2	1.5	1.1								7.3	6.7
SSE	.3	1.7	2.1		.1							4.2	6.0
S	.1	1.8	3.5	3.7	.3							9.5	10.0
SSW	.1	.1		.1								.3	6.6
SW	.1	.4		.1								.6	5.7
WSW	.1											.1	3.0
W	.1	.1	.1									.3	6.0
WNW	.1				.1							.1	6.0
NW	.1	.1	.2									.4	6.3
NNW	.5	.5	.5	.1								1.7	5.8
VARBL													
CALM												3.3	
	5.8	16.0	39.1	34.3	1.4							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
NO WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-755 HILL AFB LT STATION NAME 74-83 YEARS 1975-1976
ALL WEATHER CLASS 1-5-5500
CONDITION 1000 TC 1.1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.1	.1								1.0	5.0
NNE	.7	.2	.2									.5	4.0
NE	.7	.2	.1	.1								.8	5.6
NNE	.7	.1	.2	.2								.9	7.3
E		2.3	3.7	4.5	.9							10.6	10.9
ESE	1.7	5.2	23.7	31.0	2.2							63.5	10.9
SE	.4	3.5	1.6	.9								6.5	6.7
SSE	.4	1.7	1.2	.1								3.2	6.0
S	.2	1.0	2.7	1.4	.2							7.6	10.4
SSW	.1	.1	.1	.1								.4	6.5
SW	.1	.1	.1									.3	4.7
WSW	.2											.2	2.5
W		.1										.3	5.0
WNW		.1										.1	6.0
NW	.7	.1	.1									.6	4.3
NNW	.1	.1	.2									.9	4.1
VARBL													
CALM												2.5	
	4.7	15.8	33.3	40.4	3.2							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
AFETAC
U.S. WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0755 WILL AFB TX STATION NAME 74-83 YEARS AUG DATE
ALL WEATHER CLAS 66C-9800
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.1	.1								1.4	5.1
NNE	.1	.2										.3	3.7
NE	.1	.1										.2	3.6
ENE	.1	.3	.1									.6	4.5
E	.1	.4	.1	.5	1.4	.1						13.4	16.8
ESE	1.1	6.6	19.0	34.9	2.6							64.2	11.2
SE	.4	2.5	2.1	.5								5.5	6.8
SSE	.2	1.1	1.4	.4								3.2	7.5
S	.2	1.5	2.7	2.2								6.7	9.3
SSW	.1	.1	.6									.9	7.3
SW			.2	.1								.3	16.6
WSW		.1										.1	6.6
W	.1	.1										.2	3.6
WNW		.1	.1	.1								.3	8.3
NW		.1										.1	5.6
NNW	.1	.4	.1									.3	3.6
VARBL													
CALM												1.6	
	4.4	15.5	37.5	43.9	4.6	.1						100.0	16.3

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-83 HILL AFB MT STATION NAME YEARS
ALL WEATHER CLIM
CONDITION
CGC-11CC
MOVES (L.S.V.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.6									1.4	5.9
NNE	.9	.3	.1									1.7	3.6
NE	.2	.6										1.4	3.3
ENE	.4	.5		.1								1.1	4.2
E	1.7	5.3	5.6	4.5								16.1	8.0
ESE	2.2	6.2	14.6	6.7	.4							30.1	8.6
SE	1.1	1.7	1.5									4.3	5.5
SSE	.2	1.2	1.7	1.4								4.5	8.6
S	.6	4.6	7.2	7.5	1.1	.1						20.6	9.9
SSW	.3	2.3	1.5	1.2	.2							6.6	7.6
SW	.3	1.1	.7	.1		.1						2.3	6.0
WSW	.7	.1										.4	3.0
W	.5	.2	.6									1.4	5.6
WNW	.1	.5	.2									1.2	4.9
NW			.4									.4	8.3
NNW	.2	.3	.1	.2								.9	6.0
VARBL													
CALM												5.6	
	10.6	26.6	18.6	20.6	1.7	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

U.S. NATIONAL CLIMATOLOGY BRANCH
USAFETAC
NATIONAL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12555 HILL AFB UT STATION NAME 74-83 YEARS 840
ALL WEATHER CLIM 1255-1400
CORNITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.2	1.0									7.2	4.5
NNE	1.2	1.3	.2									2.5	4.5
NE	.5	.8	.1									1.5	3.0
ENE	.2	.2		.1								1.1	4.1
E	.5	.5	.2									1.4	3.0
ESE	.4	.6	.6	.2								1.9	6.1
SE	.2	.4	.4									1.6	4.0
SSE	.6	1.7	.5	.2	.1							3.3	6.3
S	1.7	5.4	5.5	1.5	.9							18.3	7.8
SSW	.5	6.1	5.4	1.7	.5							15.4	7.3
SW	1.2	3.7	2.4	.9	.1	.1						8.3	6.0
WSW	1.6	2.7	3.6	.2								6.1	5.7
W	2.1	5.6	3.5	.4								11.6	5.8
WNW	1.2	2.1	1.6	.3	.1							5.5	6.2
NW	.2	2.3	1.2	.2								4.4	5.6
NNW	1.2	2.7	1.0	.3								5.4	6.1
VARBL													
CALM												4.5	
	19.3	39.5	26.2	8.2	1.7	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILL AFB TX STATION NAME 74-23 YEARS 1960
CLASS ALL WEATHER 15-0-1700
CONDITION NOON (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	6.6	2.3	.1								12.9	4.6
NNE	2.4	1.7	.1									4.2	3.3
NE	1.2	.4										1.6	3.1
ENE	.7	.2										.5	3.4
E	.5	.4	.1	.1								1.2	4.5
ESE	.2	.6	.1	.1	.1							2.3	6.4
SE	.4	.5	.1	.1								1.2	4.7
SSE	.3	.9	.5	.3	.1							2.2	7.1
S	1.5	2.5	2.7	1.9	.4							9.1	8.0
SSW	.5	2.2	2.0	1.1	.1	.1						6.0	8.0
SW	1.4	2.6	1.1	1.0								6.0	6.5
WSW	.4	2.4	.4									3.2	5.1
W	2.6	7.1	2.9	.3	.1							12.9	5.7
WNW	1.9	4.6	2.6	.5								9.7	5.7
NW	1.5	5.7	2.8	.4								10.5	5.7
NNW	1.5	5.5	1.7	.5								9.2	5.6
VARBL													
CALM												7.2	
	21.5	43.8	20.0	6.6	.9	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 0765 HILL AFB UT STATION NAME 74-83 YEARS 846
ALL WEATHER CLASS 100-7000
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	3.2	1.0	.8	.3							11.5	4.7
NNE	2.3	.3	.1									3.3	2.9
NE	1.0	.3										1.3	2.8
ENE	1.1	.1										1.2	2.1
E	4.1	2.6	1.5	.8	.2							9.4	5.2
ESE	1.7	5.3	2.8	.2								12.3	5.6
SE	1.1	1.3	.3	.2								3.5	4.7
SSE	1.1	2.2	.3	.3	.2							4.8	5.7
S	1.1	1.1	2.9	2.3	.5	.1						8.6	9.4
SSW	.1	.1	1.2	.2	.2							2.4	8.6
SW	.1	.1	.1	.1								.9	6.6
WSW		.5	.2									.5	5.1
W	1.1	1.5	.4	.2		.1						4.1	4.4
WNW	.2	.1	.1									2.6	3.9
NW	1.1	1.1	.3	.5	.1							3.6	6.5
NNW	5.1	2.9	1.1	.1								9.0	3.9
VARBL													
CALM												22.6	
	31.6	26.2	12.7	5.7	1.6	.2						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 816

LOCAL CLIMATOLOGY BRANCH
USAFETAC
17th WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME HILL AFB TX YEAR 74-83 MONTH AUG
CLIM ALL WEATHER HOURS (LST) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	1.1	.2								2.3	7.2
NNE	1.1	.4										1.4	3.1
NE	.6	.1			.1							.9	4.6
ENE	.1	.2	.1	.1								.5	7.6
E	.1	.2	5.6	1.9	.2	.2						11.0	8.6
ESE	1.0	14.1	20.7	7.1	.1							52.9	8.0
SE	1.4	2.9	1.2									6.1	5.8
SSE	.1	2.6	2.1	.5	.1							6.2	7.3
S	.4	1.1	2.6	1.5	.4							6.0	9.6
SSW		.2	.2	.4	.1							1.0	10.6
SW	.1	.2	.4	.2								1.0	7.8
WSW		.1	.1									.2	7.5
W	.1	.1	.2									.4	6.0
WNW	.1	.2										.5	3.8
NW	.1	.6	.4									1.2	6.8
NNW	.2	.6	.9	.2								2.5	6.0
VARBL													
CALM												5.9	
	8.8	26.1	45.6	12.3	1.1	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 936

LOCAL CLIMATOLOGY BRANCH
 AFAP/AC
 AFM WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13-755 WILL AFB UT STATION NAME 74-03 YEARS 8400
 ALL WEATHER CLASS ALL
 HOURS 11-17
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	.9	.2	.6							5.1	4.9
NNE	1.2	.7	.1									1.8	3.4
NE	.5	.7	.1	.1	.1							1.6	3.7
ENE	.2	.7	.1	.1	.1							.9	4.7
E	1.2	1.9	3.7	2.6	.4	.1						9.2	8.9
ESE	1.4	5.7	14.5	17.1	.7							35.5	9.7
SE	.2	2.1	1.2	.3								4.5	6.6
SSE	.6	1.6	1.7	.4	.1							4.6	7.0
S	.2	2.4	3.7	1.2	.5	.1						10.7	9.2
SSW	.7	1.5	1.4	.6	.1	.1						4.1	7.6
SW	.5	1.1	.6	.3	.1	.1						2.5	6.6
WSW	.1	.7	.7	.1								1.4	5.3
W	.2	1.7	1.2	.1	.1	.1						3.9	5.6
WNW	.6	1.1	.6	.1	.1	.1						2.5	5.6
NW	.5	1.3	.7	.1	.1	.1						2.6	5.8
NNW	1.2	1.6	.8	.2								3.8	5.1
VARBL													
CALM												6.7	
	11.3	26.2	30.3	21.5	1.9	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 7400

GLOBAL CLIMATOLOGY BRANCH
 CAPETAC
 AIR WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HILL AFB TX STATION NAME 74-23 YEARS SEP
SEP
 CLASS ALL WEATHER SEP-2000
 NO. OF (L.S.V.)
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.0	1.0	.2								2.6	6.9
NNE	.7	.1	.2									.7	5.0
NE	.1											.2	2.0
ENE			.7	.1								.7	6.5
E	.5	.7	4.2	3.7	.7	.1						9.9	10.6
ESE	.1	.1	24.2	27.9	.8							59.2	10.5
SE	.7	2.4	2.0	.9	.1							5.8	7.5
SSE	.7	1.5	.0	.2								3.4	5.9
S	.7	1.2	2.0	2.7	.4							7.4	9.8
SSW	.1	.4	.7	.2								1.1	7.2
SW		.2	.2	.1								.4	8.0
WSW		.1	.1									.2	7.5
W	.1			.1	.1							.6	7.8
WNW			.1									.1	8.0
NW	.7	.4	.4			.1						1.3	6.5
NNW	.7	1.2	.5	.6								2.3	7.8
VARBL													
CALM												3.8	
	5.1	14.8	37.7	36.7	2.1	.2						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-53 STATION NAME HILL AFB, TX YEARS 56
ALL WEATHER CLASS SEP 1956 - SEP 1957
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2	.8	.2	.1							2.3	7.6
NNE	.7	.2	.1									1.0	3.7
NE	.2	.1										.3	3.0
ENE	.1			.2	.1							.4	12.5
E	.7	1.1	2.7	4.4	.6	.1						9.2	11.2
ESE	1.8	4.5	15.4	15.8	2.1	.1						63.0	11.7
SE	.3	2.2	1.5	1.4								5.6	7.3
SSE	.2	1.7	.7	.1								1.4	5.7
S	.5	1.3	3.0	1.7								6.6	8.6
SSW	.7	.2	.4		.1							1.1	7.1
SW	.2	.1	.3									.6	6.4
WSW		.1										.1	4.0
W		.7	.7	.1	.1							.9	9.0
WNW		.1		.2								.3	10.1
NW		.2	.2	.1								.6	7.0
NNW	.4	.7	.2	.2	.2							1.8	7.1
VARBL													
CALM												2.8	
	5.6	14.0	25.1	48.8	3.3	.2						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL AFB TX STATION NAME WILL AFB TX YEARS 74-81 SEP
CLASS ALL WEATHER 600-0800
CONDITION NOON (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.2	.1								1.4	5.0
NNE	.1	.2	.1									.7	4.1
NE	.1		.1									.4	6.0
NNE		.1										.1	4.0
E	.7	1.4	1.1	6.2	1.9							13.2	11.8
ESE	.1	.3	16.2	15.9	4.1	.1						64.7	12.0
SE	.6	1.6	1.1	1.0	.2							4.3	8.0
SSE	.6	.7	.0	.1								2.1	5.8
S	.2	1.1	2.4	1.4	.1	.1						5.7	9.3
SSW	.1		.4	.2	.1							.9	9.6
SW		.1										.2	5.0
WSW			.2									.2	8.0
W		.1	.1									.2	7.0
WNW	.1	.1										.2	4.0
NW		.7	.1									.4	6.3
NNW	.7	.9	.9	.6								2.6	7.5
VARB													
CALM												2.6	
	4.3	11.6	26.0	28.6	6.3	.2						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-765 HILL AFB UT STATION NAME 74-83 YEARS SEP
ALL WEATHER CLASS SEP-11-CC
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.3	.7	.1							4.4	6.8
NNE	1.1	.6										1.9	3.1
NE	.3	.6	.1									1.6	3.1
NNE	.5	.2		.1								1.3	3.8
E	1.2	4.6	3.9	6.3	1.4	.3						17.8	10.2
ESE	1.7	5.7	15.2	1.8	1.1							34.3	9.5
SE	.7	1.7	.8	.1								2.6	5.3
SSE	.6	1.7	1.1	.4								3.1	6.9
S	.2	4.1	5.5	1.8	1.7							16.2	8.6
SSW	.6	2.1	.5	.7	.1							4.3	6.8
SW	.3	.8	.6	.4		.1						2.2	7.9
WSW		.4	.2	.2								.9	7.4
W	.6	.2	.7	.1								1.6	5.9
WNW	.7		.1	.1								.6	5.6
NW	.4	.2	.6									1.2	5.5
NNW	.4	.4	1.1	.3								2.3	7.3
VARBL													
CALM												3.7	
	10.7	23.0	32.7	24.1	3.8	.8						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12-755 HILL AFB MO STATION NAME 74-83 YEARS SEP
ALL WEATHER CLASS 1200-1400 HOURS (LST.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	6.6	2.6	.7	.1							13.2	5.3
NNE	1.1	1.2	.2									2.8	3.6
NE	.7	.7										1.3	3.5
ENE	.1	.1	.2	.2								.7	8.5
E	.7	1.7	1.3	1.1	.1							4.2	8.1
ESE	.4	.6	1.7	.9								2.8	7.8
SE	.7	.6	.7									1.6	5.9
SSE	.2	.4	.2	.4								1.9	8.1
S	1.7	4.9	4.7	3.7	1.2	.2						15.7	8.7
SSW	1.4	5.9	3.9	.7	.2							11.7	6.5
SW	1.7	3.8	1.8	.6	.3	.1						8.2	6.5
WSW	1.4	2.9	1.7	.2	.1							6.1	5.6
W	2.4	3.6	2.7	.1								8.8	5.8
WNW	.2	2.3	1.1									4.3	5.8
NW	.3	2.3	1.7	.1	.1							5.8	6.7
NNW	1.2	3.1	2.7	.2								6.6	5.7
VARBL													
CALM												5.8	
	18.8	39.9	25.2	7.8	2.2	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

AERIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL AFB LT YEARS 74-83 SEP
CLASS ALL WEATHER 1800-1700
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	5.8	2.6	.7	.1							16.6	5.4
NNE	2.3	1.4	.3	.1								3.7	4.2
NE	.7	.4	.1									1.4	3.4
ENE	.7	.4	.1	.1								1.0	5.1
E	.7	.7	.1	.9								1.4	0.7
ESE	.7	.4	.7	.4								1.8	8.2
SE	.7	.6	.7									1.4	6.2
SSE	.7	.2	.7	.1								1.3	6.6
S	.7	1.2	1.2	2.1	.6							6.1	9.7
SSW	1.2	1.2	1.2	.7	.1							4.9	6.9
SW	1.2	3.6	1.2	.7								6.4	5.8
WSW	1.2	2.3	1.2									4.8	5.0
W	1.7	5.6	1.9	.7								10.0	5.5
WNW	1.2	4.1	1.7	.6								9.1	5.2
NW	2.4	4.1	3.1	.3								9.6	5.8
NNW	2.4	7.3	1.2	.2								13.2	5.4
VARBL													
CALM												7.0	
	20.5	43.6	20.6	7.6	.8							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WORLD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL AFB TX STATION NAME 74-03 YEARS SEP
ALL WEATHER CLASS 1800-2000
 CONDITION HOUSE (L.S.V.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	3.8	1.3	.8								11.1	4.9
NNE	1.0	1.0	.1	.1								2.7	3.5
NE	.3	.7										1.1	3.0
ENE	1.7	.1	.1	.2								1.8	3.8
E	2.8	3.6	1.1	.8								8.0	5.2
ESE	2.1	7.2	7.7	.6								14.0	5.5
SE	1.0	1.2	.1	.1								3.0	4.3
SSE	.2	2.0	1.2	.3		.1						4.9	5.9
S	1.1	2.2	2.9	1.3	.2		.1					7.4	7.9
SSW	.4	.6	.4	.4	.2							2.1	8.2
SW	.6	.6	.1	.2								1.4	5.2
WSW	.1	.7										1.1	3.9
W	1.2	1.2	.2	.1	.1							2.9	4.7
WNW	.5	.2	.1									1.4	4.1
NW	1.2	1.6	.9	.1								4.0	5.0
NNW	2.3	3.7	.7	.4	.1							7.7	4.7
VARBL													
CALM												25.4	
	24.6	31.1	12.2	5.6	.7	.1	.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL AFB, TX YEARS 74-83 SEP
ALL WEATHER
CONDITION ALL WEATHER
7100-2350
MOON (L, E, F)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	.2	.1								2.7	6.3
NNE	.1	.3	.3									1.3	4.5
N E	.1	.1										.7	3.0
ENE	.1	.3										.7	3.2
E	1.2	2.4	1.7	1.6	.6							9.4	8.1
ESE	1.3	12.1	11.7	9.3	.1							54.7	8.4
SE	.3	2.9	2.1	.6								6.3	6.2
SSE	.4	1.4	1.4	.2								3.6	6.2
S	.4	.5	2.0	2.7	.2							6.3	8.6
SSW	.1	.7	1.7									2.1	5.9
SW	.1											.1	2.6
WSW	.1	.2		.1								.4	6.5
W	.1	.3	.2									.8	5.3
WNW	.1	.1	.2	.1								.7	7.7
NW	.1	.4	.7	.3	.1							1.8	8.1
NNW	.5	.2	.7	.7	.1							2.9	7.9
VARBL													
CALM												5.6	
	8.1	24.6	45.4	15.2	1.1							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 800

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HILL AFB TX STATION NAME 74-81 YEARS SEP
ALL WEATHER ALL
 CLASS HOURLY 12 H. T.
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	1.7	.5	.1							6.8	5.5
NNE	1.1	.7	.7	.5								1.6	3.8
NE	.5	.3	.1									.9	3.3
ENE	.4	.2	.1	.1	.5							.8	5.4
E	.2	1.2	2.5	1.1	.6	.1						9.2	9.7
ESE	1.2	4.9	13.6	16.7	1.7	.5						36.8	16.3
SE	.5	1.6	1.7	.5	.5							3.8	6.6
SSE	.5	1.2	.5	.3		.5						1.7	6.3
S	.2	2.1	3.1	2.2	.5	.5	.5					8.6	8.9
SSW	.5	1.4	1.1	.4	.1							3.5	6.9
SW	.5	1.2	.5	.2	.5	.5						2.5	6.3
WSW	.4	.5	.4	.1	.5							1.7	5.5
W	.3	1.4	.9	.2	.5							3.2	5.6
WNW	.5	.9	.4	.1								2.1	5.8
NW	.5	1.3	1.7	.1	.5	.5						3.0	5.9
NNW	1.1	2.2	1.2	.4	.1							4.9	6.0
VARBL													
CALM												7.1	
	12.5	25.3	28.1	24.3	2.5	.2	.5					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 00005 WILL AFB TX STATION NAME 74-83 YEARS OCT
ALL WEATHER
CLAS
CORRITION
0000-0000
MOON (L.S.V.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	.5									2.1	4.1
NNE	.5	.5										.6	4.5
NE	.1	.1										.2	3.6
ENE	.1	.1	.2	.1								.8	6.7
E	.1	1.1	1.5	2.4	.2							7.3	9.2
ESE	1.2	2.7	2.1	1.7	.8							56.5	9.9
SE	1.2	2.3	1.2	1.3								2.6	7.6
SSE	.1	.2	1.2	.3								2.7	6.8
S	.1	1.4	1.2	1.4	.1							6.3	8.3
SSW	.2	.5	.4	.3		.1						1.7	7.8
SW	.2	.2	.4									.9	5.8
WSW	.1			.2								.3	10.1
W	.1	.1	.1	.2	.1							.9	8.6
WNW													
NW	.4	.2	.3	.1								1.1	5.3
NNW	.1	1.1	.5	.2								2.8	5.9
VARBL													
CALM												7.3	
	7.5	16.8	11.9	26.2	1.2	.1						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 630

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1111 AFB LT STATION NAME 74-83 YEAR 1955
CLASS ALL WEATHER
CORRECTION 100-2500
1000 FT

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	.6									1.6	6.7
NNE	.2	.2										1.0	3.0
NE	.1	.1	.2									.5	5.2
ENE		.1	.2	.2								.8	10.6
E	.5	.5	1.7	1.1	.8							6.7	11.3
ESE	1.4	4.7	20.1	33.1	1.8							61.2	11.1
SE	.5	1.6	2.2	1.1								5.4	7.8
SSE	.2	1.1	1.2	.3	.2							3.0	7.6
S	.2	1.2	2.3	2.5	.1							6.5	9.5
SSW	.1	1.0	.3	.4								2.3	8.0
SW	.1	.3	.1	.1								.6	6.3
WSW	.2		.1	.2								.5	7.8
W	.1	.2		.3								.6	9.0
WNW	.1	.1										.2	4.0
NW	.6	.3	.1									1.1	3.6
NNW	.1	.9	.3	.5	.1							1.8	8.4
VARBL													
CALM												5.6	
	5.5	11.2	30.6	42.0	3.0							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 930

UNITED STATES CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100755 WILL AFB UT STATION NAME 74-23 YEARS 867
 ALL WEATHER CLAS 666-666
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.3	1.7	0.4								3.7	6.2
NNE	1.7	1.3	1.7									5.5	5.6
NE	1.7	1.3	1.7									2.1	2.6
ENE	1.7	1.3	1.7									2.2	3.5
E	1.7	1.3	1.7	4.2	0.6	0.1	0.1					9.1	11.3
ESE	1.7	1.3	1.7	15.7	1.3							61.5	11.7
SE	1.7	1.3	1.7	1.4	1.1	1.1						4.3	8.1
SSE	1.7	1.3	1.7	1.4	1.1	1.1						1.9	5.4
S	1.7	1.3	1.7	2.7	2.3	0.4						7.3	9.8
SSW	1.7	1.3	1.7	1.4	1.1	1.1						1.3	6.5
SW	1.7	1.3	1.7	1.4	1.1	1.1						4.4	5.3
WSW	1.7	1.3	1.7	1.4	1.1	1.1						1.3	6.6
W	1.7	1.3	1.7	1.4	1.1	1.1						1.6	7.8
WNW	1.7	1.3	1.7	1.4	1.1	1.1						0.8	6.6
NW	1.7	1.3	1.7	1.4	1.1	1.1						0.8	4.4
NNW	1.7	1.3	1.7	1.4	1.1	1.1						2.5	5.2
VARBL													
CALM												4.7	
	4.5	15.5	24.5	46.2	8.3	1.1	1.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

000755 HILL AFB UT 74-01 067
STATION NAME YEARS
ALL WEATHER CLASS 02-C-1100
CONDITON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	1.6	.9								4.3	7.4
NNE	.3	.2										1.0	2.6
NE	.2	.1										.3	3.0
ENE	.1	.4	.1									.9	3.9
E	.2	.4	.1	.2	.1	.1						13.9	8.3
ESE	1.1	6.8	16.9	15.1	1.1	.1						41.2	9.7
SE	1.1	1.6	1.2	.4								4.3	6.1
SSE	.1	.6	1.2	.4								2.6	7.3
S	.5	1.9	3.2	3.4	1.3	.1	.1					11.2	10.6
SSW	.5	1.3	1.2	.9	.1	.2						4.3	8.3
SW	.2	.5	.2									1.0	5.3
WSW	.1	.1										.6	4.0
W	.5	.2	.4	1.1	.1							2.4	9.1
WNW	.2	.2	.2	.2								1.0	7.7
NW	.1	.4	.6	.1								1.5	6.9
NNW	.1	1.5	1.2	.6								3.7	7.0
VARBL													
CALM												6.0	
	10.0	21.4	32.8	25.5	3.7	.5	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 755 HILL AFB TX STATION NAME 74-83 YEARS 067
ALL WEATHER 12-6-1955
CLAS 10-1-1955
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.7	1.7	1.6								9.1	6.3
NNE	1.2	1.2	.1									2.6	3.7
NW	.2											.8	2.6
ENE	.5	.1										1.6	3.0
E	.2	1.1	1.1	.6		.1						3.8	7.7
ESE	.1		.4	.3		.1						1.3	4.8
SE	.5	.5	.3	.2								1.9	4.9
SSE	.6	.2	.6	.1								1.6	5.7
S	1.3	3.4	4.7	2.9	.6	.4						13.3	8.8
SSW	2.4	4.5	3.3	.6	.3	.1						11.3	6.5
SW	1.2	2.5	1.5	.3								6.1	5.3
WSW	1.4	1.3	1.6	.2								4.5	5.6
W	2.2	3.4	2.4	.3	.1							8.3	5.7
WNW	1.6	2.7	1.7	.2								4.8	5.2
NW	1.2	2.2	1.1	.2								4.8	5.4
NNW	2.7	2.9	3.2	.9	.1							9.1	6.5
VARBL													
CALM												15.6	
	22.0	29.5	22.4	2.6	1.2	.8						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11755 HILL AFB UT STATION NAME 74-23 YEARS OCT 1967
ALL WEATHER CLASS 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	5.4	2.9	1.5	.1							14.3	6.8
NNE	.2	.5	.1									1.2	4.4
NE	.2	.1										.4	3.0
ENE	.2	.2										.5	3.6
E	.6	.4	.1									1.2	3.6
ESE	.4	.6		.1								1.2	4.5
SE	.4	.3	.1									.9	3.8
SSE	.2	.2	.6			.1						1.6	7.1
S	1.0	1.7	3.1	1.5		.1						7.4	7.2
SSW	1.2	2.7	1.7	.4	.2							5.8	6.0
SW	1.2	1.7	.0	.1								3.9	4.9
WSW	1.0	2.7	.9	.1	.1							5.7	4.7
W	3.4	3.9	1.9	.1	.1							9.5	4.7
WNW	1.5	3.9	1.1									6.8	4.6
NW	4.1	4.1	1.3	.1	.1							9.8	4.5
NNW	5.5	7.4	2.0	.6								16.3	5.6
VARBL													
CALM												13.6	
	28.9	35.4	17.0	4.1	.6	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2755 WILL AFB UT STATION NAME 74-83 YEARS 0-7
ALL WEATHER 1850-2000
 CLIM 1850-2000
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.0	1.5	.8								8.5	5.6
NNE	1.2	1.2										2.4	3.4
NE	.7	.1										.4	2.8
ENE	1.1											1.0	2.0
E	2.1	2.2	.5									4.9	3.9
ESE	2.7	5.7	1.4	.1								11.9	5.4
SE	1.1	2.8	.4									4.9	4.0
SSE	1.1	2.1	.4	.1								3.7	4.6
S	.5	1.2	2.2	.8		.1						6.9	6.9
SSW	.2	.5	.5	.1								1.4	6.6
SW	.7	.3	.1	.1								1.8	3.9
WSW	.1	.8		.1								1.4	3.9
W	1.2	1.2	.1		.2							2.7	4.8
WNW	1.1	.4	.1									1.8	3.9
NW	1.7	1.1	.2		.1							2.7	4.4
NNW	2.5	1.5	.8	.4								7.6	4.7
VARBL													
CALM												35.9	
	21.5	28.5	10.8	2.5	.3	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 21755 HILL AFB LT STATION NAME 74-83 YEARS 067
ALL WEATHER CLAR 21755-2300
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	.5	.8								3.8	6.2
NNE	.4	.3	.1	.1								1.3	6.7
NE	.1	.2										.3	6.3
ENE	.3											.3	2.7
E	1.5	1.6	2.3	.3	.2							6.0	6.4
ESE	.7	12.7	25.2	6.3	.1							47.4	7.8
SE	2.3	5.9	1.4	.2								10.6	4.8
SSE	.9	1.0	.5	.3								3.7	5.8
S	.5	2.6	2.7	1.4	.2							7.4	7.9
SSW	.8	.4	.1	.3								1.1	7.0
SW	.2	.1										.3	3.7
WSW		.3		.1								.4	7.0
W	.2	.2										.4	3.5
WNW	.7	.1										.4	2.8
NW	.6	.5	.5	.1								1.8	5.2
NNW	.5	1.4	.6	.1								2.7	5.6
VARBL													
CALM												11.9	
	12.7	29.7	34.8	10.3	.5							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
614 WAT-EN SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-758 STATION HILL AFB UT STATION NAME 74-83 YEARS 0-7
CLASS ALL WEATHER MONTH ALL
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	1.3	.7	.0							5.9	6.6
NNE	.6	.6	.1	.0	.0							1.3	4.1
NE	.7	.1	.0									.4	3.2
ENE	.1	.2	.1	.1								.7	4.6
E	1.2	1.5	1.9	1.4	.4	.0	.0					6.6	8.5
ESE	1.1	5.2	13.7	14.1	.9	.0						35.3	10.0
SE	1.2	2.1	1.7	.5	.0							5.1	6.0
SSE	.5	1.0	.2	.2	.0	.0						2.6	6.2
S	.2	2.1	3.0	1.9	.3	.1	.0					8.3	8.8
SSW	.7	1.4	1.0	.4	.1	.1						3.6	6.9
SW	.0	.8	.4	.1	.0							1.9	5.1
WSW	.5	.7	.3	.1	.0							1.7	5.2
W	1.0	1.2	.7	.3	.1							3.2	5.8
WNW	.7	.9	.3	.1	.0							2.0	4.8
NW	1.1	1.1	.5	.1	.0							2.9	4.9
NNW	1.5	2.5	1.7	.5	.0							5.8	6.6
VARBL													
CALM												12.6	
	14.2	23.7	26.7	20.7	1.9	.2	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 7440

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 02755 HILL AFB LT STATION NAME 74-83 YEARS NOV 1976
CLASS ALL WEATHER HOURS (L.S.T.) 5500-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	1.7	.6								3.8	6.6
NNE	.4	.3										1.2	3.7
NE	.4											.4	2.0
ENE		.4	.1									.6	5.4
E	1.1	1.9	2.4	1.1	.2	.2		.2				7.1	8.9
ESE	2.1	7.8	22.2	12.7	.9	.1		.1				45.4	9.1
SE	2.1	2.7	2.9	.7								7.8	6.0
SSE	.9	1.2	1.1	.6								1.9	6.5
S	1.2	1.6	4.7	2.1								9.1	8.2
SSW	.9	1.7	.0	.3								2.9	6.2
SW	.7	.1										.3	2.7
WSW	.2	.3		.2								.8	6.9
W	.2	.1	.1	.3								.8	9.1
WNW	.1	.4	.1	.2								.9	7.1
NW	.7	1.7	.1	.1			.1					2.0	5.7
NNW	1.7	1.7	.6	.2								3.4	5.3
VARBL													
CALM												9.6	
	12.7	21.7	35.6	18.7	1.1	.3	.1	.3				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 000755 WILL AFB TX STATION NAME 74-83 YEARS NOV 1967
ALL WEATHER CLASS 0000-0600
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.6	.6								2.8	6.6
NNE	.2	.2										1.2	2.6
NE	.2		.1									.7	5.7
ENE			.6									.6	8.8
E	1.1	1.7	2.4	2.1	.4	.1		.2				8.3	9.6
ESE	.2	7.9	2.4	16.7	1.9	.2		.1				48.1	10.1
SE	.2	3.1	1.0	1.0								6.5	6.7
SSE	.2	1.6	1.2									3.6	5.3
S	1.2	1.7	2.0	1.2								8.9	8.8
SSW	.2	.2	1.1	.1								2.3	6.7
SW		.2	.1	.2								.6	9.4
WSW	.2	.2										.3	4.7
W	.2	.4	.2	.4								1.6	7.1
WNW	.2	.3										.6	3.8
NW	.2	.7		.1								1.7	3.9
NNW	.2	.2	.0	.7								3.1	6.6
VARBL													
CALM												8.9	
	10.7	24.0	32.3	25.1	2.3	.3		.3				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION HILL AFB UT STATION NAME 74-23 YEARS NOV
CLIM ALL WEATHER HOURS (LST) 0600-0000
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	1.1	.3								4.2	6.0
NNE	.4	.1	.1									.7	3.8
NE	.2	.2										.4	4.5
ENE		.2	.3	.2								.8	8.7
E		2.2	3.3	2.1	.1			.3				8.6	10.4
ESE	1.2	5.4	19.2	21.3	1.7	.3						42.8	10.4
SE	1.7	1.5	1.3	2.6	.1							6.9	8.2
SSE	1.4	1.4	1.1	.2								4.2	5.2
S	1.7	1.7	3.3	2.1								7.8	8.4
SSW	.7	1.7	.9	.4								2.1	6.7
SW	.7	.4	.1									.3	5.0
WSW	.1		.2	.1								.4	8.0
W	.2	.4	.2	.1								1.1	5.7
WNW	.4	.3	.1									.6	4.6
NW	.4	.3	.1									.9	4.0
NNW	.7	1.6	.4	.1								2.7	6.4
VARBL													
CALM												8.1	
	9.2	19.0	31.0	29.9	2.1	.1		.3				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 950

U.S. AIR FORCE
METEOROLOGICAL SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: WILL AFB TX YEARS: 74-81 MONTH: NOV
CLASS: ALL WEATHER CODE: 1100
CONDITION: NOSE (11.1.1)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	2.0	0.6								4.8	6.6
NNE	1.1	1.4	2.1									1.5	5.0
NE	1.2	1.2	2.2									0.8	5.3
ENE	1.2	1.2	1.5	2.2								1.3	7.6
E	1.2	2.3	3.3	2.1	0.2	0.2	0.1					9.2	6.9
ESE	1.1	2.1	1.6	1.6	0.7	0.2	0.1	0.1				39.4	9.2
SE	1.1	2.2	1.3	1.1	0.1							5.3	7.5
SSE	0.7	1.2	1.2	0.3								3.0	6.6
S	0.5	1.2	1.4	1.1	0.1							12.9	6.7
SSW	0.7	1.5	1.2	0.4								3.9	6.5
SW	0.7	1.6	1.3									1.3	5.5
WSW	0.7	1.6	1.2	0.1								1.2	5.4
W	0.7	1.4	1.3									1.1	6.1
WNW	0.2	1.2	0.2									0.7	5.0
NW	0.2	1.3	0.2									1.0	5.7
NNW	0.2	1.4	1.6	1.1	0.1							5.2	7.4
VARBL													
CALM												7.8	
	9.2	24.2	34.5	21.0	1.4	0.4	0.2	0.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1785 HILL AFB UT STATION NAME 74-81 YEARS NOV
ALL WEATHER CLASS 1785-1400
10000 (1.1.1.1)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	.3	1.9								2.3	6.6
NNE	.1	.4	.1									1.1	3.6
NE	1.1	.3	.1									1.6	3.1
ENE	.4	.1	.2									.9	4.4
E	1.1	1.2	1.6	.8	.3	.2	.1					5.7	8.3
ESE	.9	2.3	1.3	1.5		.1						6.8	6.6
SE	.2	.8	.3									2.1	4.9
SSE	.1	1.2	.3	.6								2.8	6.0
S	2.1	3.2	4.6	3.2	.6	.1						14.7	8.2
SSW	2.2	3.5	2.2	.1	.1							6.8	5.6
SW	2.1	1.7	.6	.3								4.6	4.6
WSW	.6	1.4	.7	.4								3.1	6.3
W	1.4	1.8	1.6	.6								5.3	5.9
WNW	1.1	1.2	.7	.1								3.1	4.8
NW	1.5	1.7	1.2	.4		.2						4.4	7.0
NNW	1.6	3.3	2.1	1.4								8.4	6.6
VARBL													
CALM												16.7	
	20.9	28.8	20.9	11.1	1.0	.7	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22755 WILL AFB UT STATION NAME 74-03 YEARS 1961
ALL WEATHER CLASS 15-5-1700
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.6	2.3	1.0								10.2	5.9
NNE	2.3	4.6	2.3	1.0								10.2	5.9
NE	2.3	4.6	2.3	1.0								10.2	5.9
ENE	2.3	4.6	2.3	1.0								10.2	5.9
E	2.3	4.6	2.3	1.0								10.2	5.9
ESE	2.3	4.6	2.3	1.0								10.2	5.9
SE	2.3	4.6	2.3	1.0								10.2	5.9
SSE	2.3	4.6	2.3	1.0								10.2	5.9
S	2.3	4.6	2.3	1.0								10.2	5.9
SSW	2.3	4.6	2.3	1.0								10.2	5.9
SW	2.3	4.6	2.3	1.0								10.2	5.9
WSW	2.3	4.6	2.3	1.0								10.2	5.9
W	2.3	4.6	2.3	1.0								10.2	5.9
WNW	2.3	4.6	2.3	1.0								10.2	5.9
NW	2.3	4.6	2.3	1.0								10.2	5.9
NNW	2.3	4.6	2.3	1.0								10.2	5.9
VARBL													
CALM												21.2	
	21.8	31.6	15.9	7.0	7.0	2.0						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 000755 HILL AFB UT STATION NAME 74-81 YEARS NOV
CLASS ALL WEATHER 1800-2000
CONDITION NO (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	3.6	1.1	.3								9.6	4.4
NNE	1.1	.9		.1								2.3	3.5
NE	.6	.4		.1								1.1	3.9
ENE	.0	.2			.2							1.1	4.2
E	1.6	1.9	1.4	1.4	.3	.2						6.9	6.0
ESE	2.7	6.4	3.7	.8	.2							13.1	6.3
SE	1.6	1.1	.6	.1								3.6	4.0
SSE	1.6	2.2	.7	.1								4.2	4.2
S	2.7	1.4	3.2	2.2	.6							11.4	7.5
SSW	.2	1.2	.3	.2								2.0	5.9
SW	.4		.1									.6	3.8
WSW	.4	.4		.2								1.1	5.8
W	.1	.6	.2									1.1	4.5
WNW	.4	.4	.1	.2								1.2	5.6
NW	1.1	.7	1.1	.3								3.1	6.0
NNW	2.2	2.7	.6	.7	.1	.1						6.3	5.5
VARBL													
CALM												31.2	
	21.2	26.2	12.3	6.9	1.3	.3						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 007-5 HILL AFB UT STATION NAME 74-23 YEARS 60Y
ALL WEATHER CLIM 1150-2300
LOCAL (L.T.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	1.3	.7								5.1	6.1
NNE	.2	.2	.1	.1								1.0	4.4
NE	.6	.1	.4									1.1	4.7
ENE	.1	.1										.2	3.6
E		1.6	2.8	1.0	.2	.4	.1					7.1	9.2
ESE	3.6	12.6	6.9	3.4	.2	.1						36.8	7.3
SE	2.6	3.6	1.6	.6								8.2	5.2
SSE	1.7	2.2	1.2	.6								5.3	6.0
S	1.4	2.6	2.9	2.6	.3							9.8	8.3
SSW	.4	1.0	.6	.1								2.1	6.1
SW	.1	.3	.1									.8	4.6
WSW		.3		.2								.7	6.8
W			.1									.3	3.7
WNW	.2	.4	.3	.1								1.1	6.8
NW	.6	.8	.2	.2								1.8	5.8
NNW	.2	1.9	1.0	.1	.1							4.3	5.4
VARBL													
CALM												14.2	
	15.7	29.3	29.6	9.7	.9	.6	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 300

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-755 HILL AFB UT STATION NAME 74-83 YEARS NOV 1974
CLASS ALL WEATHER
CONDITION ALL
HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	1.3	.7								6.1	5.9
NNE	.7	.4	.1	.1								1.3	3.9
NE	.1	.2	.1	.1								.8	4.0
ENE	.1	.2	.2	.1	.1							.8	6.3
E	1.1	1.7	2.3	1.4	.3	.2	.1	.1				7.1	9.1
ESE	1.1	6.5	12.8	8.4	.7	.1	.1	.1				30.5	9.0
SE	1.1	1.9	1.3	.7	.1							5.4	6.2
SSE	1.1	1.5	1.1	.3								3.8	5.6
S	1.1	2.5	3.7	2.7	.2	.1						10.4	8.3
SSW	.1	1.6	1.1	.3	.1							3.8	6.0
SW	.1	.6	.1	.1								1.5	4.6
WSW	.4	.5	.2	.2								1.3	5.7
W	.7	.6	.4	.3								2.1	5.6
WNW	.6	.7	.2	.1								1.6	4.8
NW	1.1	1.2	.5	.2		.1	.1					2.5	5.2
NNW	1.1	2.3	1.2	.7	.1	.1						5.9	6.1
VARBL													
CALM												14.7	
	15.5	25.1	26.6	16.2	1.4	.4	.1	.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7250

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HILL AFB UT STATION NAME 74-83 YEARS DEC
DATE 0000-0000
ALL WEATHER
CLIM
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	1.2	0.2								3.5	5.8
NNE	0.5	0.4	0.1		0.1							1.2	4.5
NE	0.1	0.1			0.2							0.8	7.6
ENE	0.5	0.6										1.2	3.6
E	0.2	1.1	2.7	1.1	0.2	0.1						6.0	8.6
ESE	2.1	3.5	15.6	5.9	0.4	0.2						33.9	8.4
SE	1.2	1.9	1.2	0.4								6.6	5.4
SSE	0.5	2.2	1.7	0.9	0.1							4.5	6.8
S	1.1	4.1	5.2	2.5	0.8	0.1						14.7	8.9
SSW	0.7	1.5	1.8	0.5								4.7	6.8
SW	0.1	0.5	0.3									1.0	5.3
WSW	0.2	0.5	0.1	0.1								1.0	5.7
W	0.4	0.3	0.2	0.1								1.1	6.0
WNW	0.2	0.4	0.1	0.2								1.1	6.1
NW	0.5	0.6	0.4									1.6	4.7
NNW	1.1	0.9	0.4	0.2								2.5	4.9
VARBL													
CALM												14.7	
	12.2	26.5	30.3	14.1	1.8	0.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 936

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME HILL AFB UT STATION NAME 74-87 YEARS DEC
STATION ALL WEATHER CLAS 100-5500
CONDITION HOUS (L.E.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.5	.2								3.7	5.3
NNE	.1	.2	.1	.1								.2	5.3
NE	.1	.3										.8	3.1
ENE	.1	.1			.1							.3	8.3
E	.5	1.8	2.4	1.2	.5	.3						6.9	9.3
ESE	1.0	4.8	14.9	14.2	.6	.3						36.7	9.7
SE	1.7	3.1	1.5	.3								6.7	5.4
SSE	.5	1.7	1.1	.2								3.7	6.1
S	1.4	5.6	3.7	2.2	.4	.1						13.3	7.7
SSW	.3	.9	1.7	.6								7.0	7.4
SW	.3	1.1	.5	.3								2.3	6.5
WSW	.3	.3	.1	.1	.1							1.0	7.0
W	.5	.2	.6	.3		.1						1.9	7.6
WNW	.1	.2	.2									.9	4.8
NW	.1	.2	.2									.5	6.0
NNW	.1	.4	.3									1.1	5.1
VARBL													
CALM												16.7	
	11.3	21.8	27.7	19.8	1.8	.9						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL AFB TX STATION NAME 74-03 YEARS DEC
ALL WEATHER CLASS 6500-5800
MOON (L.T.V.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	1.2	.4								1.8	6.5
NNE	.6	.2				.1						1.0	4.8
NE	.2											.2	2.5
ENE	.2	.1	.1	.2								.6	3.1
E	.9	1.1	2.1	1.5	.5	.1						6.5	10.2
ESE	1.3	5.7	15.1	15.8	.8	.1						39.2	9.9
SE	1.6	1.1	1.5	.4		.1						6.7	5.6
SSE	1.3	1.3	1.6	.6								4.8	6.3
S	1.4	1.1	4.8	2.8	.1	.1						12.3	8.1
SSW	.5	1.3	1.7	.1								3.9	6.8
SW	.1	.4	.1									.9	5.8
WSW	.6	.6	.2									1.5	4.5
W	.4	.2	.1	.2	.2							1.2	9.0
WNW	.4	.1	.1									1.1	4.8
NW	.4	.6	.2	.1								1.4	4.9
NNW	.5	1.1	.6	.4								2.7	6.7
VARBL													
CALM												12.4	
	11.6	20.1	10.1	22.9	1.6	.8						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-83 STATION NAME ALL WEATHER YEARS DEC
CLASS ALL WEATHER 1960-1960
CONDITION NOBS (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	.5	.1								3.1	5.3
NNE	.5	.3	.2									1.1	4.2
NE	.2	.1				.1						.4	8.3
ENE	.2	.1					.1	.1				.5	15.2
E	1.1	.3	2.2	1.7	.5	.5	.2					7.5	11.1
ESE	1.2	.2	1.4	1.4	.9	.1						36.3	9.3
SE	1.4	2.8	1.7	1.2								7.1	6.8
SSE	.9	2.7	.6		.1							3.7	5.1
S	.5	3.2	5.9	4.7	.2							14.7	9.2
SSW	.7	2.7	1.7	.4								4.0	6.4
SW	.7	1.1	.4	.1								1.9	5.5
WSW	.5	.3	.5	.1								.8	6.1
W	.1	.3	.2	.4								1.1	8.5
WNW	.7	.4	.1									.5	4.8
NW	.5	1.0	.3	.2								2.0	5.5
NNW	.7	1.2	.9	.9	.1							3.9	7.3
VARBL													
CALM												11.5	
	5.8	25.7	28.8	21.2	1.8	.8	.3	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 125755 HILL AFB LT STATION NAME 74-83 YEARS DEC
CLASS ALL WEATHER 1250-1400
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.6	1.2									5.6	4.6
NNE	.5	.5	.1	.1								1.3	4.8
NE	.7	.1										1.0	2.6
ENE	.5		.1				.1	.2				1.0	13.4
E	1.3	2.4	1.3	.6	.1	.4						6.1	7.4
ESE	2.2	5.2	4.1	1.0								12.3	6.3
SE	1.2	2.2	.6	.2								4.1	4.9
SSE	.8	1.7	1.0	.4								3.9	6.4
S	1.3	4.3	5.2	4.4	.4							15.7	8.6
SSW	2.2	3.5	1.9	.4	.2							8.3	5.8
SW	.5	2.7	.8									4.3	5.0
WSW	.3	.9	.2									1.4	4.6
W	.8	.6	.9	.6	.1							3.0	7.3
WNW	.6	.3	.5	.2	.2							1.9	7.1
NW	1.1	1.2	.5	.1								2.9	4.9
NNW	2.0	3.1	1.3	.6	.3							7.4	6.1
VARBL													
CALM												19.9	
	19.2	30.2	19.7	8.8	1.4	.4	.1	.2				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22-7-5 WILL AFB TX STATION NAME 74-83 YEARS DEC
ALL WEATHER CLASS 1556-1700
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.2	1.1	1.5	.8	.1							8.7	5.4
NNE	.5	.5	.7									1.6	4.5
NE	.7	.2	.1									.6	3.8
ENE	.7	.2					.1					.8	14.7
E	1.4	.7	.5	.3	.1	.1						3.5	7.2
ESE	1.5	2.1	2.5	.1	.2							6.7	6.0
SE	1.3	.8	.5									2.7	4.4
SSE	1.2	1.9	.5	.4								4.0	5.4
S	2.4	4.7	4.3	3.1	.9							14.6	8.0
SSW	2.7	2.7	.9	.3	.1							5.9	4.9
SW	1.6	1.0	.4									3.0	3.7
WSW	.8	1.5	.1	.1								2.5	4.3
W	2.4	1.3	.8									4.4	3.7
WNW	1.8	1.3	.4	.1								3.7	3.9
NW	1.7	1.9	1.1	.7								4.8	5.0
NNW	2.9	2.6	1.1	.6								7.1	5.0
VARBL													
CALM												25.4	
	26.0	25.5	15.1	6.0	1.4	.1	.1					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-755 HILL AFB UT STATION NAME 74-81 YEARS DEC
ALL WEATHER CLIM 1256-2666
CONDITON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.8	1.8	.6	.1	.1						7.6	6.5
NNE	1.4	1.2	.2	.1								2.7	1.8
NE	.5	.1			.1							1.0	4.6
ENE	.6	.1	.1				.2					1.1	8.8
E	1.3	1.5	1.7	.4	.5							5.6	6.8
ESE	1.5	5.7	3.9	1.2	.2							12.5	6.6
SE	1.4	3.7	.9									5.9	4.5
SSE	2.2	3.2	.5									6.0	4.5
S	1.8	5.7	4.2	3.1	.9	.2						15.6	8.2
SSW	.5	1.3	1.2	.7								3.4	6.4
SW	.4	.3	.4									1.2	5.6
WSW	.1	.5	.1	.1								.0	5.8
W	.2	.2	.1									.5	3.8
WNW	.1	.1	.1	.1	.1							1.0	7.6
NW	.4	.5	.1									1.1	4.4
NNW	1.5	1.7	.1	.1								4.3	5.6
VARBL													
CALM												29.8	
	16.9	28.3	16.2	6.1	1.9	.5	.2					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 936

REGIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION HILL AFB LT STATION NAME 74-83 YEARS DEC
CLASS ALL WEATHER 21.0-23.00
CONDITION 100% (L.V.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.0	1.1	.1		.1						4.9	5.2
NNE	1.0	.4										1.4	3.2
NE	.1	.4		.1								1.0	4.2
ENE	.2	.1	.1				.2					.9	13.5
E	.3	1.0	2.0	1.2	.1							6.0	7.4
ESE	4.1	8.5	11.5	3.1	.2							27.5	7.1
SE	2.5	2.7	1.2		.1							6.5	4.7
SSE	2.3	3.8	.2	.5								6.8	4.7
S	1.0	5.2	3.7	2.9	.9							14.8	7.8
SSW	.5	1.0	1.5	.6	.2							4.8	7.4
SW	.5	.9	.1	.2		.1						2.3	6.0
WSW	.1	.2	.1									.4	5.0
W	.2	.3	.1									.6	5.0
WNW		.3	.1									.4	5.5
NW	.1	.4	.4	.2								1.4	6.2
NNW	.9	1.6	1.1	.1								3.7	5.6
VARBL													
CALM												17.0	
	17.7	30.6	21.5	9.1	1.8	.2	.3					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

NAVAL CLIMATOLOGY BRANCH
NAVFAC
NAV WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME HILL AFB TX YEARS 74-83 DATE DEC
 CLASS ALL WEATHER MONTH ALL
 CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	1.2	.1	.0	.1						6.1	5.6
NNE	.7	.5	.1	.0	.0	.0						1.4	4.3
NE	.4	.2	.0	.0	.0	.0						.7	4.3
ENE	.2	.2	.1	.0	.0	.0						.3	10.4
E	1.1	1.4	1.0	1.0	.3	.3	.0					6.6	8.7
ESE	2.1	1.1	1.0	6.7	.4	.1						25.6	8.6
SE	1.0	2.7	1.0	.3	.0	.0						5.0	5.3
SSE	1.2	2.2	.9	.4	.0							4.7	5.6
S	1.5	4.3	4.6	3.3	.6	.1						14.4	6.3
SSW	1.1	1.7	1.4	.5	.1							4.8	6.3
SW	.6	1.0	.4	.1		.0						2.1	5.1
WSW	.7	.6	.1	.1	.0							1.2	5.1
W	.1	.4	.4	.2	.0	.0						1.7	6.1
WNW	.5	.5	.2	.1	.0							1.4	5.3
NW	.6	.3	.4	.1								2.0	5.1
NNW	1.1	1.6	.0	.4	.1							4.1	5.7
VARBL													
CALM												18.4	
	15.6	26.1	23.5	13.5	1.7	.5	.2	.2				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 7446

LOCAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME HILL AFB TX YEARS 74-84 ALL
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	1.4	.5	.1	.0	.0					6.1	5.9
NNE	.5	.5	.2	.0	.0	.0	.0					1.5	4.0
NE	.5	.2	.1	.0	.0	.0						.9	4.0
ENE	.4	.2	.2	.1	.0	.0	.0	.0				1.0	6.2
E	1.2	1.6	2.0	1.8	.4	.1	.0	.0				7.2	9.0
ESE	1.6	5.1	11.9	7.9	.6	.0	.0	.0				25.3	9.4
SE	.2	2.1	1.2	.4	.0	.0						4.9	5.5
SSE	.3	1.6	1.1	.4	.0	.0	.0					3.9	6.3
S	1.7	2.7	3.2	1.1	.7	.1	.0					11.4	9.2
SSW	.7	1.6	1.1	.6	.1	.0	.0					4.4	7.3
SW	.6	1.0	.6	.2	.0	.0						2.4	6.6
WSW	.6	.7	.6	.1	.0	.0						1.8	5.9
W	.2	1.2	.2	.1	.0	.0	.0					3.3	6.1
WNW	.5	.7	.5	.2	.0	.0						2.1	5.8
NW	.3	1.2	.7	.1	.0	.0	.0					2.8	5.5
NNW	1.2	2.7	1.2	.5	.1	.0	.0					5.0	6.2
VARBL			.0									.1	9.0
CALM												12.0	
	14.1	25.4	27.5	18.2	2.2	.4	.1	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 87665

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL AFB TX STATION NAME 74-64 YEAR 1964
INSTRUMENT ALL
CLASS NOVUS (L.S.T.)
CONDITION CIG 200 TO 1000 FT W/ VSBY 1/2 MI OR MORE
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	2.2	1.1	2.2	1.3	.2		.2					3.9	6.5
NNE	.5	.5	.1									1.6	3.8
NE	.5	.2	.1									.6	3.8
ENE	.1	.2					.2	.2				.7	6.1
E	1.2	1.2	.7	.4	.4	.3	.2	.2				4.2	9.6
ESE	1.6	2.5	2.1	.7	.2	.2	.2					7.1	6.6
SE	1.4	1.1	.4	.1								3.2	4.3
SSE	1.2	1.6	1.2	.4	.2		.2					4.5	6.6
S	1.6	1.1	4.2	2.5	.5	.2						12.2	8.1
SSW	1.1	1.5	1.2	.5	.1							4.3	6.4
SW	1.3	.9	.5	.2	.2	.2						3.6	5.5
WSW	.2	.9	.1	.4	.2							2.6	6.1
W	1.4	.9	.9	.6	.2	.2	.2					4.2	7.1
WNW	.5	.9	.4	.3	.1							2.5	5.8
NW	1.5	1.5	.8	.1		.2						4.2	5.3
NNW	2.1	2.6	1.8	.9	.2	.2						7.6	6.5
VARBL													
CALM												28.5	
	20.0	23.0	16.7	8.8	1.9	.4	.1	.2				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 4230

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥ 10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLE FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likevise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

CLIMATOLOGY - FRANCE

140

ATLANTIC SERVICE AREA

CEILING VERSUS VISIBILITY

10-5 HILL AFB 21

1955-1956

75-84

1955-1956

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

-555-5444

CEILING FEET	VISIBILITY - STATUTE MILES															
	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
1000	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
900	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
800	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
700	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
600	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
500	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
400	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
300	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
200	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
100	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2
0	12.2	31.7	34.3	34.7	35.1	35.4	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2	36.2

TOTAL NUMBER OF OBSERVATIONS

912

USAF ETAC

FORM 10-5

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

U.S. AIR FORCE
METEOROLOGICAL SERVICE
HEADQUARTERS

CEILING VERSUS VISIBILITY

STATION NAME: HILL AFB, ILL.

PERIOD: 15-24

DATE: 11-11-64

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 1-64

CEILING FEET	VISIBILITY: STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
900	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
800	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
700	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
600	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
500	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
400	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
300	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
200	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
100	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9
0	34.4	35.5	37.5	38.1	38.4	38.6	39.1	39.6	39.7	39.8	40.1	40.2	40.3	40.8	40.8	40.9

TOTAL NUMBER OF OBSERVATIONS

936

2
 (2)
 LOCAL CLIMATOLOGY BRANCH
 ETAC
 REPORT ON SERVICE/MAAC

CEILING VERSUS VISIBILITY

DATE: 11/1/55 BILL: 11/1/55

75-84

11/1/55

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1800
 1800-2100

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	25.2	31.2	31.4	32.3	33.2	33.3	33.7	34.2	34.5	34.8	35.1	35.3	35.5	35.5	35.6	35.8
18000	22.8	31.9	32.1	34.1	35.5	35.6	36.7	36.6	37.0	37.1	37.6	37.7	38.0	38.0	38.1	38.4
16000	20.6	32.7	34.1	35.1	36.2	36.5	37.0	37.5	38.0	38.3	38.6	38.7	38.9	38.9	39.0	39.4
14000	25.5	33.5	34.5	35.9	37.1	37.3	37.8	38.4	38.8	39.1	39.5	39.6	39.8	39.8	39.9	40.2
12000	31.3	36.0	37.5	38.5	39.7	39.9	40.4	41.0	41.4	41.7	42.0	42.2	42.4	42.4	42.5	42.8
10000	33.5	37.0	38.5	39.4	40.6	40.8	42.4	42.9	43.3	43.8	44.3	44.8	45.3	45.3	45.4	45.7
8000	37.0	41.3	42.8	44.7	45.9	46.1	46.7	47.2	47.6	48.3	48.6	48.7	48.9	48.9	49.1	49.5
6000	42.4	43.4	45.7	46.2	47.8	47.6	48.2	48.7	49.1	49.8	50.1	50.2	50.8	50.8	50.6	51.0
4000	41.4	46.7	48.5	49.5	50.6	50.9	51.4	51.9	52.4	53.1	53.3	53.4	53.8	53.8	54.0	54.3
2000	43.7	45.5	51.3	52.5	53.7	53.9	54.5	55.1	55.5	56.1	56.6	56.7	57.1	57.1	57.3	57.6
1000	45.5	51.2	53.3	54.5	55.7	56.1	56.8	57.3	57.7	58.4	58.8	58.9	59.5	59.5	59.7	60.0
500	45.6	55.2	57.5	58.8	60.0	60.4	61.2	61.7	62.2	62.8	63.3	63.4	64.1	64.1	64.3	64.6
400	45.7	57.1	59.7	61.2	62.4	62.6	63.5	64.2	64.6	65.4	65.9	66.0	66.7	66.7	66.9	67.2
300	51.3	59.5	62.6	64.1	65.4	65.8	66.7	67.5	68.0	68.7	69.4	69.5	70.1	70.1	70.3	70.8
200	52.7	61.0	64.1	65.6	66.9	67.3	68.2	69.0	69.5	70.3	71.1	71.2	71.8	71.8	72.0	72.5
150	53.5	62.9	66.6	68.2	70.0	70.4	71.4	72.5	72.9	74.0	74.7	74.8	75.7	75.7	75.9	76.3
100	54.5	63.9	67.7	69.7	71.8	72.3	73.4	74.5	74.9	76.1	76.9	77.1	78.0	78.0	78.2	78.7
80	54.6	64.1	68.2	70.8	72.9	73.3	75.4	76.7	77.1	78.5	79.2	79.5	80.6	80.6	80.9	81.4
60	54.7	64.3	68.4	71.2	73.3	73.8	75.8	77.1	77.5	78.9	79.7	79.9	81.1	81.1	81.3	81.8
40	54.7	64.4	68.6	71.4	73.5	74.1	76.3	78.1	78.5	80.2	81.0	81.2	82.4	82.4	82.6	83.1
20	54.7	64.4	68.6	71.4	73.7	74.2	77.0	78.7	79.1	81.0	81.7	81.9	83.3	83.3	83.5	84.1
10	54.7	64.4	68.8	71.6	74.1	74.6	77.8	79.9	80.3	82.6	83.3	83.5	84.9	84.9	85.2	85.8
5	54.7	64.4	68.9	71.7	74.3	74.8	78.2	80.2	80.6	82.9	83.7	83.9	85.3	85.3	85.5	86.1
2	54.7	64.4	69.0	71.9	74.5	75.1	78.7	80.8	81.3	83.8	84.4	84.8	86.5	86.5	86.8	87.4
1	54.7	64.4	69.0	72.0	74.7	75.3	79.0	81.1	81.6	84.4	85.5	85.7	87.3	87.3	87.6	88.4
0	54.7	64.4	69.0	72.2	75.2	75.8	79.6	81.8	82.4	85.3	86.7	86.9	88.5	88.5	88.8	89.6
5000	54.7	64.4	69.1	72.3	75.4	76.1	80.2	82.5	83.0	86.6	88.1	88.3	90.1	90.1	90.5	91.3
4000	54.7	64.4	69.1	72.3	75.4	76.1	80.3	82.7	83.5	87.8	89.8	90.0	92.0	92.0	92.7	93.4
3000	54.7	64.4	69.1	72.3	75.4	76.1	80.3	82.9	83.8	88.4	90.6	90.9	93.2	93.2	94.3	95.2
2000	54.7	64.4	69.1	72.3	75.4	76.1	80.3	82.9	83.8	88.5	91.0	91.4	94.0	94.0	95.7	96.9
1000	54.7	64.4	69.1	72.3	75.4	76.1	80.3	82.9	83.8	88.5	91.0	91.4	94.0	94.2	95.7	98.4
0	54.7	64.4	69.1	72.3	75.4	76.1	80.3	82.9	83.8	88.5	91.0	91.4	94.0	94.2	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS

930

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

STATION NAME HILL AFB, CA

75-84

YEAR

DATA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1955-1966

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	22.4	26.0	27.8	29.1	31.1	30.5	31.2	32.4	32.7	33.2	33.4	33.4	33.4	33.4	33.4	33.4
800	25.5	27.4	31.3	32.5	33.5	34.3	34.9	36.1	36.5	37.1	37.3	37.3	37.3	37.3	37.3	37.3
600	27.0	30.0	31.9	33.1	34.5	34.9	35.6	36.8	37.1	37.7	38.1	38.0	38.0	38.0	38.0	38.0
400	27.1	31.1	33.0	34.2	35.6	36.0	36.7	37.8	38.2	38.8	39.0	39.0	39.0	39.0	39.0	39.0
200	27.7	33.2	35.4	36.6	38.0	38.4	39.1	40.4	40.8	41.4	41.6	41.6	41.6	41.6	41.6	41.6
100	31.2	35.5	38.1	39.4	40.9	41.3	42.2	43.5	43.9	44.5	44.7	44.7	44.7	44.7	44.7	44.7
50	34.7	39.0	41.3	42.7	44.2	44.6	45.6	47.0	47.4	48.1	48.3	48.3	48.3	48.3	48.3	48.3
25	35.5	41.0	43.3	44.7	46.2	46.7	47.6	49.1	49.6	50.2	50.4	50.4	50.4	50.4	50.4	50.4
10	36.1	44.3	46.8	48.3	49.9	50.4	51.4	52.9	53.3	54.0	54.2	54.2	54.2	54.2	54.2	54.2
5	41.7	47.4	49.9	51.4	51.2	51.6	55.2	56.8	57.2	58.0	58.2	58.2	58.2	58.2	58.2	58.2
2	47.4	49.5	52.0	53.5	55.5	56.1	59.0	59.6	60.0	60.8	61.2	61.2	61.3	61.3	61.3	61.3
1	47.7	51.4	56.3	58.2	60.8	61.1	63.7	64.7	65.2	66.1	66.6	66.6	66.7	66.7	66.7	66.7
0	48.6	55.5	59.5	61.4	62.8	63.4	65.8	67.4	67.8	68.8	69.2	69.2	69.4	69.4	69.4	69.4
1000	50.7	58.9	61.2	63.1	65.5	66.1	68.4	70.3	70.8	71.8	72.3	72.3	72.4	72.4	72.4	72.4
800	50.7	58.9	62.4	64.6	67.3	68.0	70.5	72.7	73.1	74.2	74.6	74.6	74.7	74.7	74.7	74.7
600	51.5	60.1	63.8	66.1	69.2	70.0	72.7	75.1	75.5	76.6	77.0	77.0	77.1	77.1	77.1	77.1
400	51.5	60.1	64.6	67.2	71.0	71.9	74.6	77.1	77.5	78.6	79.1	79.1	79.2	79.2	79.2	79.2
200	51.7	61.1	65.8	68.7	72.7	73.5	76.9	79.5	79.9	81.1	81.5	81.9	82.0	82.0	82.2	82.2
100	51.7	61.1	65.6	68.9	72.9	74.1	77.1	79.7	80.1	81.3	82.2	82.2	82.4	82.4	82.5	82.5
50	51.7	61.3	65.5	69.2	73.3	74.5	77.5	80.4	81.0	82.3	83.3	83.3	83.7	83.7	83.8	83.8
25	51.9	61.3	66.0	69.4	73.5	74.9	78.1	81.0	81.5	82.9	84.2	84.2	84.5	84.5	84.6	84.6
10	51.9	61.3	66.0	69.5	74.1	75.6	78.8	82.3	82.8	84.6	85.9	86.1	86.5	86.5	86.6	86.6
5	51.9	61.3	66.0	69.5	74.1	75.6	79.1	82.7	83.3	85.3	86.6	86.8	87.1	87.1	87.2	87.2
2	51.9	61.3	66.0	69.8	74.8	76.1	80.1	83.8	84.8	86.6	88.1	88.1	88.7	88.7	88.8	88.8
0	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
1000	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
800	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
600	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
400	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
200	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
100	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
50	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
25	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
10	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
5	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
2	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6
0	51.9	61.3	66.0	69.8	74.8	76.2	80.5	84.7	85.8	88.4	89.9	90.1	90.5	90.5	90.6	90.6

TOTAL NUMBER OF OBSERVATIONS

936

NATIONAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

20145 BILL ABLETT STATION NAME

75-84 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-1700
FOOT LBS

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. FEET	22.4	26.3	28.7	30.6	32.0	32.4	32.8	33.8	33.9	34.2	34.5	34.5	34.5	34.5	34.5	34.5
2000	24.2	26.7	30.6	32.6	34.2	34.5	34.9	36.2	36.3	36.7	37.0	37.0	37.7	37.7	37.7	37.7
1800	25.7	28.8	31.7	33.7	35.3	35.6	36.0	37.3	37.4	37.7	38.1	38.1	38.1	38.2	38.2	38.2
1600	25.9	28.5	32.6	34.5	36.1	36.5	36.9	38.2	38.3	38.6	38.9	38.9	38.9	39.0	39.0	39.0
1400	26.7	31.4	33.4	35.6	37.2	37.5	38.7	39.2	39.4	39.7	40.0	40.0	40.0	40.1	40.2	40.3
1200	28.2	34.3	36.5	38.7	40.8	40.8	41.3	42.6	42.9	43.2	43.5	43.5	43.5	43.7	43.8	43.9
1000	30.5	38.1	40.5	43.0	44.8	45.2	45.8	47.1	47.4	47.8	48.2	48.2	48.2	48.3	48.4	48.5
800	34.7	42.7	44.2	46.6	46.7	47.0	47.6	49.0	49.4	49.8	50.1	50.1	50.1	50.2	50.3	50.4
600	37.8	46.8	48.6	48.1	50.2	50.5	51.2	52.6	52.9	53.3	53.9	53.9	53.9	54.0	54.1	54.2
400	40.5	49.8	47.7	50.2	52.5	52.8	53.4	54.8	55.2	55.6	56.2	56.2	56.2	56.3	56.5	56.6
200	42.6	49.5	51.4	54.1	56.2	56.6	57.6	59.0	59.4	60.0	60.6	60.6	60.6	60.8	60.9	61.0
100	43.2	54.6	57.6	60.5	63.1	63.6	64.8	66.3	66.7	67.6	68.3	68.3	68.3	68.4	68.5	68.6
50	50.7	57.8	60.9	63.8	66.6	67.2	68.6	70.1	70.4	71.4	72.1	72.0	72.0	72.2	72.3	72.4
25	52.2	58.6	62.9	65.8	68.6	69.2	71.0	72.5	72.8	73.9	74.5	74.5	74.7	74.8	74.9	75.1
12	53.0	60.8	64.2	67.3	70.3	71.0	72.8	74.4	74.7	75.8	76.5	76.5	76.7	76.8	76.9	77.1
6	53.7	62.2	65.7	69.1	72.4	73.1	75.3	77.0	77.3	78.4	79.0	79.0	79.2	79.4	79.5	79.6
3	54.1	63.5	67.3	71.0	74.2	74.8	77.2	79.0	79.4	80.4	81.1	81.1	81.3	81.4	81.5	81.6
1	54.2	63.5	67.4	71.1	74.6	75.1	77.7	79.7	80.0	81.2	81.8	81.8	82.0	82.2	82.3	82.4
0	54.7	63.5	67.4	71.0	74.7	75.4	77.8	79.8	80.1	81.3	81.9	81.9	82.2	82.3	82.4	82.5
0	54.1	63.8	67.7	71.5	75.4	76.0	78.9	80.9	81.3	82.5	83.1	83.1	83.4	83.5	83.7	83.8
0	54.3	64.2	68.2	71.9	76.2	77.0	80.3	82.4	82.9	84.2	85.1	85.1	85.4	85.5	85.6	85.7
0	54.4	64.3	68.3	72.2	76.6	77.4	81.5	83.8	84.3	86.1	87.1	87.1	87.4	87.5	87.6	87.7
0	54.4	64.3	68.3	72.3	76.7	77.5	81.7	84.1	84.6	86.6	87.6	87.6	88.0	88.1	88.2	88.3
0	54.4	64.3	68.4	72.5	76.9	77.7	82.3	84.9	85.5	87.7	88.8	88.8	89.4	89.5	89.6	89.7
0	54.4	64.3	68.4	72.5	77.0	77.8	82.7	86.1	86.8	89.9	91.1	91.1	91.6	91.7	91.9	92.0
0	54.4	64.3	68.4	72.5	77.0	77.8	82.7	86.3	87.1	90.5	91.8	91.9	92.5	92.6	92.9	93.0
0	54.4	64.3	68.4	72.5	77.0	77.8	82.8	86.8	87.6	91.2	92.9	93.2	93.9	94.0	94.3	94.4
0	54.4	64.3	68.4	72.5	77.0	77.8	82.9	86.9	87.7	91.6	93.8	93.8	94.5	94.6	95.1	95.2
0	54.4	64.3	68.4	72.5	77.0	77.8	82.9	86.9	87.7	91.8	93.9	94.3	95.3	95.4	96.1	96.3
0	54.4	64.3	68.4	72.5	77.0	77.8	82.9	86.9	87.7	91.8	93.9	94.3	95.3	95.7	97.1	98.2
0	54.4	64.3	68.4	72.5	77.0	77.8	82.9	86.9	87.7	91.8	93.9	94.3	95.3	95.7	97.2	99.8
0	54.4	64.3	68.4	72.5	77.0	77.8	82.9	86.9	87.7	91.8	93.9	94.3	95.3	95.7	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS

932

FEDERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/AMAC

CEILING VERSUS VISIBILITY

STATION: HILL AFB, MT

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 7-21-60

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	22	21	21	20	20	20	20	20	20	20
10000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
9000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
8000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
7000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
6000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
5000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
4000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
3000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
2000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
1000	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
500	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2
0	24.3	24.3	30.5	32.6	31.8	34.6	35.5	36.3	36.5	36.8	36.8	36.8	36.9	36.9	37.1	37.2

TOTAL NUMBER OF OBSERVATIONS

931

LOCAL CLIMATOLOGY BRANCH
ETAC
FATHER SERVICE/MA

CEILING VERSUS VISIBILITY

DATE: 11/11/51 STATION NAME: 75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

		VISIBILITY - STATUTE MILES															
		10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. OF	TIME	21.1	21.7	21.9	23.5	24.4	24.6	25.5	25.6	25.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9
1	1000	24.3	24.9	25.3	25.5	25.8	26.1	26.9	27.0	27.2	27.4	27.4	27.4	27.4	27.4	27.5	27.5
2	1000	24.4	24.1	23.5	25.2	26.7	26.2	27.1	27.2	27.4	27.6	27.6	27.6	27.6	27.6	27.7	27.7
3	1000	24.4	24.4	23.9	25.5	26.7	26.6	27.4	27.5	27.7	28.0	28.0	28.0	28.0	28.0	28.1	28.1
4	1000	24.7	22.5	25.3	26.9	27.7	28.0	28.8	28.9	29.1	29.4	29.4	29.4	29.4	29.4	29.5	29.5
5	1000	24.7	23.4	26.3	28.1	28.9	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
6	1000	24.4	26.1	29.5	41.2	42.0	42.4	43.3	43.4	43.7	44.0	44.0	44.0	44.0	44.0	44.1	44.1
7	1000	22.4	27.2	40.6	42.5	43.3	43.7	44.6	44.7	44.9	45.3	45.3	45.3	45.3	45.3	45.4	45.4
8	1000	24.7	29.7	42.6	44.5	45.5	45.8	46.8	46.9	47.1	47.4	47.4	47.4	47.4	47.4	47.5	47.5
9	1000	22.7	41.1	44.6	46.6	47.6	48.1	48.9	49.0	49.2	49.6	49.6	49.6	49.6	49.6	49.7	49.7
10	1000	24.7	45.8	49.7	51.6	52.7	53.1	54.0	54.1	54.3	54.6	54.6	54.6	54.6	54.6	54.7	54.7
11	1000	22.0	51.7	56.3	58.6	59.9	60.2	61.4	61.5	61.7	62.0	62.0	62.0	62.0	62.0	62.2	62.3
12	1000	44.5	54.4	59.6	61.8	63.2	63.5	64.7	64.8	65.1	65.5	65.5	65.5	65.5	65.5	65.6	65.7
13	1000	45.1	56.2	62.0	64.7	66.3	66.7	68.0	68.3	68.5	69.0	69.0	69.0	69.0	69.0	69.1	69.2
14	1000	45.7	58.0	64.1	67.1	68.9	69.2	70.6	71.0	71.2	71.7	71.7	71.7	71.7	71.7	71.8	71.9
15	1000	42.6	60.2	66.7	70.0	72.0	72.4	73.9	74.2	74.4	74.9	74.9	74.9	74.9	74.9	75.1	75.2
16	1000	46.5	62.3	69.2	72.9	75.1	75.4	77.0	77.3	77.5	78.1	78.1	78.1	78.1	78.1	78.2	78.3
17	1000	46.5	62.8	70.5	74.4	76.7	77.1	78.7	79.2	79.5	80.1	80.1	80.1	80.1	80.1	80.2	80.3
18	1000	46.7	62.9	70.8	74.6	76.9	77.3	78.9	79.5	79.7	80.3	80.3	80.3	80.3	80.3	80.4	80.5
19	1000	45.8	63.2	71.4	75.7	78.0	78.4	80.5	81.0	81.6	82.3	82.5	82.5	82.5	82.5	82.6	82.7
20	1000	46.7	63.3	71.6	75.9	78.3	78.7	81.0	81.9	82.2	82.8	83.0	83.0	83.0	83.0	83.1	83.2
21	1000	46.9	63.7	72.5	76.8	79.5	80.1	82.6	84.0	84.2	85.1	85.4	85.4	85.4	85.4	85.5	85.6
22	1000	45.0	63.8	72.6	77.0	79.7	80.3	82.8	84.2	84.4	85.3	85.6	85.6	85.6	85.6	85.7	85.8
23	1000	45.0	63.4	71.0	77.4	80.2	80.9	83.3	84.9	85.3	86.2	86.6	86.6	86.6	86.7	86.8	86.9
24	1000	45.0	63.8	73.3	77.7	80.6	81.3	83.8	85.8	86.1	87.1	87.6	87.6	87.6	87.8	88.0	88.1
25	1000	45.0	63.8	73.4	77.8	80.8	81.5	84.1	86.2	86.7	87.7	88.4	88.8	88.8	88.8	88.8	88.8
26	1000	45.0	63.8	73.4	77.8	81.1	81.8	84.5	86.9	87.3	88.9	89.9	89.9	89.9	90.3	90.4	90.6
27	1000	45.0	63.8	73.4	77.8	81.1	81.8	84.7	87.2	87.7	90.5	91.7	91.7	92.3	92.3	92.4	92.6
28	1000	45.0	63.8	73.4	77.8	81.1	81.8	84.7	87.2	87.7	91.2	92.6	92.8	93.5	93.7	93.9	94.2
29	1000	45.0	63.8	73.4	77.8	81.1	81.8	84.7	87.2	87.7	91.2	92.6	92.8	93.7	93.8	94.4	94.6
30	1000	45.0	63.8	73.4	77.8	81.1	81.8	84.7	87.2	87.7	91.2	92.6	92.8	93.9	94.0	94.6	94.8
31	1000	45.0	63.8	73.4	77.8	81.1	81.8	84.7	87.2	87.7	91.2	92.6	92.8	93.9	94.0	94.6	94.8

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AF CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1005 HILL AFB MI 48106-0001

75-24

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

VISIBILITY STATUTE MILES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1000	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
900	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
800	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
700	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
600	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
500	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
400	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
300	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
200	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
100	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
50	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
20	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
10	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
5	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
2	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0
1	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS

7440

JOINT CLIMATOLOGY BRANCH
AFETAC
STATISTICAL SERVICE/AFAC

CEILING VERSUS VISIBILITY

14-45 HILL AFB MT WYOMING

15-84

FFP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FFP-0000

		VISIBILITY - STATUTE MILES															
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	20
1000	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
900	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
800	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
700	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
600	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
500	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
400	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
300	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
200	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
100	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
50	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
25	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
10	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
5	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
2	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
1	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9
0	47.8	49.2	49.4	49.6	49.6	49.9	49.9	49.9	50.2	50.8	51.8	51.8	51.8	51.8	51.8	51.8	50.9

TOTAL NUMBER OF OBSERVATIONS

849

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20330
 FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

15-84

15-84

15-84

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

15-84

		VISIBILITY, STATUTE MILES															
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1	1.1	44.5	46.9	47.0	47.0	47.0	47.5	47.5	47.5	47.5	47.7	47.7	47.8	47.8	47.8	46.1	
2	42.2	44.1	45.5	45.7	45.7	45.7	50.2	50.2	50.2	50.2	50.4	50.4	50.5	50.5	50.5	50.8	
3	44.2	44.7	50.3	51.3	51.3	50.3	50.8	50.8	50.8	50.8	51.0	51.0	51.1	51.1	51.1	51.4	
4	44.5	50.1	50.4	50.6	50.6	50.6	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
5	44.5	50.4	51.0	51.0	51.0	51.0	51.5	51.5	51.5	51.5	51.7	51.7	51.8	51.8	51.8	52.1	
6	44.7	51.9	52.7	52.9	52.9	52.9	53.4	53.7	53.7	53.7	53.9	53.9	54.1	54.1	54.1	54.3	
7	45.0	54.4	55.4	55.6	55.6	55.6	56.1	56.5	56.5	56.5	56.8	56.8	56.9	56.9	56.9	57.1	
8	45.2	57.1	57.4	57.4	57.4	57.4	57.8	58.3	58.3	58.3	58.5	58.5	58.7	58.7	58.7	58.9	
9	45.0	58.5	59.6	59.8	60.0	60.0	60.4	61.0	61.0	61.1	61.4	61.4	61.5	61.5	61.5	61.7	
10	45.2	60.0	61.0	61.2	61.4	61.4	61.8	62.4	62.4	62.5	62.8	62.8	62.9	62.9	62.9	63.1	
11	45.4	63.4	63.7	64.1	64.2	64.2	64.7	65.3	65.3	65.4	65.6	65.6	65.7	65.7	65.7	66.0	
12	45.4	66.7	70.2	70.6	70.8	70.8	71.3	72.1	72.1	72.2	72.4	72.4	72.6	72.6	72.6	72.8	
13	45.5	70.3	74.3	74.7	74.9	74.9	75.4	76.2	76.2	76.3	76.6	76.6	76.7	76.7	76.7	76.9	
14	45.5	75.0	77.7	78.1	78.4	78.4	78.9	79.7	79.7	79.9	80.1	80.1	80.2	80.2	80.2	80.4	
15	45.5	76.0	79.7	79.7	79.7	79.7	80.2	81.0	81.0	81.2	81.4	81.4	81.5	81.5	81.5	81.7	
16	45.5	78.0	81.0	81.5	82.4	82.4	82.9	83.7	83.7	83.9	84.1	84.1	84.5	84.5	84.5	84.7	
17	45.5	81.0	82.2	82.8	84.0	84.1	84.6	85.4	85.4	85.5	85.7	85.7	86.1	86.1	86.1	86.3	
18	45.5	81.0	81.0	81.5	85.2	85.3	85.9	86.7	86.7	86.8	87.0	87.0	87.4	87.4	87.4	87.6	
19	45.5	81.0	83.0	83.9	85.2	85.3	86.0	86.8	86.8	86.9	87.2	87.2	87.5	87.5	87.5	87.8	
20	45.5	81.0	84.3	85.3	86.7	86.9	88.0	88.9	88.9	89.2	90.0	90.0	90.3	90.3	90.3	90.6	
21	45.5	81.0	85.3	86.2	87.6	87.9	88.9	90.0	90.0	90.3	91.4	91.4	91.8	91.8	91.9	92.1	
22	45.5	81.0	85.4	86.3	87.8	88.1	89.3	90.6	90.6	90.9	92.0	92.0	92.3	92.3	92.5	92.7	
23	45.5	81.0	85.5	86.5	87.9	88.1	89.4	90.7	90.7	91.0	92.3	92.3	92.7	92.7	92.8	93.1	
24	45.5	81.0	85.5	86.5	88.0	88.2	89.6	90.9	90.9	91.4	92.7	92.7	93.1	93.1	93.2	93.4	
25	45.5	81.0	85.5	86.5	88.0	88.2	89.9	91.5	91.6	92.5	94.7	94.7	95.2	95.2	95.3	95.6	
26	45.5	81.0	85.6	86.6	88.3	88.6	90.2	92.0	92.2	93.1	95.4	95.4	96.1	96.1	96.2	96.6	
27	45.5	81.0	85.6	86.6	88.3	88.6	90.2	92.0	92.2	93.2	95.9	96.1	96.9	96.9	97.1	97.5	
28	45.5	81.0	85.6	86.6	88.3	88.6	90.3	92.1	92.3	93.4	96.1	96.3	97.3	97.3	97.5	98.1	
29	45.5	81.0	85.6	86.6	88.3	88.6	90.3	92.1	92.3	93.4	96.1	96.3	97.3	97.3	97.5	99.3	
30	45.5	81.0	85.6	86.6	88.3	88.6	90.3	92.1	92.3	93.4	96.1	96.3	97.3	97.3	97.5	100.0	

TOTAL NUMBER OF OBSERVATIONS

849

NATIONAL CLIMATOLOGY BRANCH
ETAC
NATIONAL SERVICE/NAO

CEILING VERSUS VISIBILITY

NAME: HALL AFB, TX STATION NAME

75-84

FFP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

SEE PAGE

		VISIBILITY, STATUTE MILES															
		25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
1000	43.3	43.9	44.1	44.1	44.3	44.3	44.5	44.6	44.6	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.8
900	43.3	47.2	47.5	47.5	47.8	47.8	48.1	48.2	48.2	48.5	49.0	49.0	49.0	49.0	49.0	49.0	49.6
800	43.3	47.8	47.9	47.9	48.3	48.3	48.5	48.6	48.6	49.0	49.5	49.5	49.5	49.5	49.5	49.5	50.1
700	43.3	47.9	48.1	48.1	48.4	48.4	48.6	48.8	48.8	49.1	49.6	49.6	49.6	49.6	49.6	49.6	50.2
600	44.0	48.9	49.0	49.0	49.4	49.4	49.6	49.7	49.7	50.1	50.5	50.5	50.5	50.5	50.5	50.5	51.1
500	44.6	50.6	50.9	50.9	51.2	51.2	51.5	51.9	51.9	52.3	52.8	52.8	52.8	52.8	52.8	52.8	53.4
400	45.3	54.8	55.0	55.0	55.4	55.4	55.6	56.2	56.2	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.7
300	45.8	56.2	56.4	56.4	56.8	56.8	57.0	57.6	57.6	58.0	58.5	58.5	58.5	58.5	58.5	58.5	59.1
200	54.3	59.4	59.7	59.8	60.2	60.2	60.5	61.2	61.2	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.8
100	55.4	61.7	62.1	62.1	62.7	62.7	63.0	63.7	63.7	64.1	64.7	64.7	64.7	64.7	64.7	64.7	65.3
50	55.8	65.6	66.1	66.3	66.7	66.7	67.0	67.7	67.7	68.1	68.7	68.7	68.7	68.7	68.7	68.7	69.3
25	64.5	70.9	72.0	72.2	72.7	72.7	73.1	74.0	74.0	74.3	74.9	74.9	74.9	74.9	74.9	74.9	75.5
10	67.6	74.4	75.6	75.9	76.3	76.3	76.8	77.6	77.6	78.0	78.6	78.6	78.6	78.6	78.6	78.6	79.2
5	68.3	76.7	77.9	78.1	78.6	78.6	79.0	79.9	79.9	80.2	80.8	80.8	80.8	80.8	80.8	80.8	81.4
2	68.8	77.5	79.7	79.7	79.7	79.7	80.2	81.0	81.0	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.6
1	70.2	78.6	80.1	80.1	80.1	80.1	80.6	81.4	81.4	81.8	82.4	82.4	82.4	82.4	82.4	82.4	83.0
0.5	70.6	80.4	82.8	83.9	85.3	85.3	85.7	86.6	86.6	87.0	87.6	87.6	87.6	87.6	87.6	87.6	88.2
0.2	72.1	81.9	84.5	85.6	87.2	87.2	87.9	88.7	88.7	89.1	89.9	89.9	89.9	89.9	89.9	89.9	90.5
0.1	72.4	82.0	84.6	85.7	87.3	87.3	88.0	88.8	88.8	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.6
0.05	72.4	82.1	85.2	86.3	87.9	88.0	88.8	89.6	89.6	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.6
0.02	72.4	82.3	85.4	86.6	88.2	88.3	89.2	90.0	90.1	90.8	91.5	91.5	91.5	91.5	91.5	91.5	92.1
0.01	72.4	82.4	85.6	86.8	88.5	88.6	89.4	90.2	90.3	91.2	92.1	92.1	92.1	92.1	92.1	92.1	92.9
0.005	72.4	82.4	85.6	86.8	88.5	88.6	89.4	90.2	90.3	91.2	92.1	92.1	92.1	92.1	92.1	92.1	92.9
0.002	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.7	91.5	92.5	92.5	92.7	92.7	92.7	92.7	93.4
0.001	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.9	92.0	93.2	93.2	93.4	93.4	93.4	93.4	94.1
0.0005	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.9	92.0	93.2	93.2	93.4	93.4	93.4	93.4	94.1
0.0002	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.9	92.0	93.2	93.2	93.4	93.4	93.4	93.4	94.1
0.0001	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.9	92.0	93.2	93.2	93.4	93.4	93.4	93.4	94.1
0.00005	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.9	92.0	93.2	93.2	93.4	93.4	93.4	93.4	94.1
0.00002	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.9	92.0	93.2	93.2	93.4	93.4	93.4	93.4	94.1
0.00001	72.4	82.4	85.7	87.0	88.8	88.9	89.8	90.6	90.9	92.0	93.2	93.2	93.4	93.4	93.4	93.4	94.1

TOTAL NUMBER OF OBSERVATIONS

889

LOCAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME WILL AFF

15-84

FFP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

666-1100

CEILING FEET	VISIBILITY: STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥ 1000	43.5	44.3	41.1	41.5	41.6	41.7	41.8	42.0	42.0	42.8	43.1	43.3	43.7	43.7	43.8	44.4
≥ 900	43.5	45.6	45.4	46.8	46.9	47.1	47.2	47.5	47.5	48.2	48.6	48.9	49.2	49.2	49.4	51.1
≥ 800	45.1	47.1	47.9	48.4	48.5	48.6	48.9	49.1	49.1	49.8	50.3	50.5	50.9	50.9	51.1	51.7
≥ 700	45.6	47.7	48.2	48.6	48.8	48.9	49.1	49.8	49.8	50.1	50.5	50.8	51.1	51.1	51.2	51.9
≥ 600	47.0	48.8	49.6	50.1	50.2	50.3	50.5	50.9	50.9	51.9	52.4	52.7	53.0	53.0	53.2	53.9
≥ 500	50.3	52.1	52.9	53.4	53.5	53.6	53.8	54.2	54.2	55.2	55.7	55.9	56.3	56.3	56.5	57.2
≥ 400	51.0	55.2	56.1	56.5	56.7	56.8	57.1	57.4	57.4	58.5	59.1	59.4	59.7	59.7	60.0	60.7
≥ 300	54.4	56.4	57.2	57.7	57.8	58.1	58.2	58.5	58.5	59.7	60.3	60.5	60.9	60.9	61.1	61.8
≥ 200	59.2	60.3	61.1	61.6	61.7	61.8	62.1	62.7	62.7	64.1	64.5	64.8	65.1	65.1	65.4	66.1
≥ 100	65.3	61.7	62.7	63.3	63.4	63.5	63.7	64.3	64.3	65.6	66.2	66.4	66.8	66.8	67.0	67.7
≥ 50	71.7	63.8	64.9	65.5	65.6	65.7	66.0	66.5	66.5	67.8	68.4	68.7	69.0	69.0	69.3	70.0
≥ 20	65.6	68.8	70.2	70.9	71.1	71.3	71.5	72.1	72.1	73.4	74.1	74.3	74.7	74.7	74.9	75.6
≥ 10	69.6	73.1	74.8	75.5	75.7	75.9	76.1	76.7	76.7	78.0	78.7	78.9	79.3	79.3	79.5	80.2
≥ 5	72.0	76.9	78.9	79.6	80.1	80.2	80.8	81.0	81.0	82.3	83.0	83.3	83.6	83.6	83.9	84.6
≥ 2	74.0	78.2	80.3	81.0	81.7	81.9	82.1	82.7	82.7	84.1	84.8	85.0	85.4	85.4	85.6	86.3
≥ 1	75.7	80.4	82.6	83.3	84.5	84.6	85.1	85.9	85.9	87.8	88.1	88.3	88.7	88.7	88.9	89.6
≥ 0	76.2	81.0	83.4	84.1	85.0	85.5	86.1	86.9	86.9	88.7	89.4	89.6	90.0	90.0	90.2	90.9
≥ 0.5	76.3	81.3	84.1	85.0	86.8	86.9	87.8	88.7	88.8	90.8	91.5	91.8	92.1	92.1	92.3	93.1
≥ 0.25	76.3	81.3	84.1	85.0	86.8	86.9	87.8	88.7	88.8	90.8	91.5	91.8	92.1	92.1	92.3	93.1
≥ 0.1	76.3	81.4	84.3	85.3	87.3	87.4	88.3	89.4	89.5	91.9	92.6	92.9	93.3	93.3	93.5	94.2
≥ 0.05	76.3	81.4	84.5	85.4	87.4	87.5	88.5	89.5	89.6	92.1	92.8	93.2	93.5	93.5	93.8	94.5
≥ 0.025	76.3	81.4	84.5	85.4	87.5	87.6	88.6	89.9	90.0	92.6	93.3	93.6	94.0	94.0	94.8	95.5
≥ 0.01	76.3	81.5	84.6	85.5	87.6	87.8	88.7	90.0	90.1	92.8	93.5	93.9	94.8	94.8	95.1	95.8
≥ 0.005	76.3	81.5	84.7	85.6	87.9	88.1	89.0	90.6	90.7	93.6	94.3	94.7	95.6	95.6	96.0	96.7
≥ 0.0025	76.3	81.5	84.7	85.6	87.9	88.1	89.0	90.6	90.7	93.8	94.5	94.8	95.8	95.9	96.2	96.9
≥ 0.001	76.3	81.5	84.7	85.6	87.9	88.1	89.0	90.6	90.7	93.8	94.5	94.8	95.8	95.9	96.2	96.9
≥ 0.0005	76.3	81.5	84.7	85.6	87.9	88.1	89.0	90.6	90.7	93.8	94.5	94.8	95.8	95.9	96.2	96.9
≥ 0.00025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.00000000000000001	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000000000005	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.0000000000000000025	76.4	81.6	84.8	85.7	88.0	88.1	89.2	90.7	90.8	94.3	95.2	95.5	96.8	96.9	97.6	98.4
≥ 0.000000000000000001	76.4															

FEDERAL CLIMATOLOGY BRANCH
ETAC
FATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

1955 HILL AFB, UT. STATION NAME

15-24

FEF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-5-1400

VISIBILITY - STATUTE MILES																
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	41.5	41.0	43.6	43.9	44.1	44.1	44.5	44.9	46.6	46.8	46.8	47.0	47.0	47.0	47.0	47.0
900	42.6	42.6	42.2	42.8	43.1	43.2	43.8	44.8	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.1
800	44.2	47.2	44.8	49.5	49.8	49.9	50.1	50.5	50.9	52.7	52.8	52.8	53.1	53.1	53.1	53.1
700	44.1	47.1	48.9	49.6	49.9	50.1	50.2	50.6	51.0	52.4	52.9	52.9	53.2	53.2	53.2	53.2
600	45.7	48.8	50.3	51.0	51.5	51.6	51.9	52.4	52.8	54.5	54.7	54.7	55.0	55.0	55.0	55.0
500	47.5	50.5	51.6	52.1	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
400	49.5	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
300	51.5	54.5	56.1	57.1	57.6	57.7	58.2	58.9	59.2	61.0	61.1	61.1	61.5	61.5	61.5	61.5
200	52.5	56.1	57.6	58.8	59.2	59.4	59.8	60.5	60.9	62.7	62.8	62.8	63.1	63.1	63.1	63.1
100	55.7	59.1	60.9	62.0	62.5	62.7	63.1	63.8	64.2	66.1	66.2	66.2	66.5	66.5	66.5	66.5
50	58.7	61.4	63.4	64.7	65.4	65.5	66.0	66.7	67.0	68.9	69.0	69.0	69.4	69.4	69.4	69.4
25	61.8	63.8	66.0	67.3	68.1	68.2	68.7	69.4	69.7	71.7	71.8	71.8	72.2	72.2	72.2	72.2
10	64.7	67.2	69.6	71.9	72.8	72.8	73.5	74.2	74.6	76.6	76.6	76.6	77.9	77.9	77.9	77.9
5	67.0	69.3	71.9	74.1	74.1	74.1	74.1	74.1	74.1	76.9	76.9	76.9	78.3	78.3	78.3	78.3
2	69.3	71.3	73.9	76.1	76.1	76.1	76.1	76.1	76.1	79.9	79.9	79.9	81.3	81.3	81.3	81.3
1	71.3	73.3	75.9	78.1	78.1	78.1	78.1	78.1	78.1	81.9	82.0	82.0	83.3	83.3	83.3	83.3
0.5	73.3	75.3	77.9	80.1	80.1	80.1	80.1	80.1	80.1	83.9	84.0	84.0	85.3	85.3	85.3	85.3
0.25	75.3	77.3	79.9	82.1	82.1	82.1	82.1	82.1	82.1	85.9	86.0	86.0	87.3	87.3	87.3	87.3
0.1	77.3	79.3	81.9	84.1	84.1	84.1	84.1	84.1	84.1	87.9	88.0	88.0	89.3	89.3	89.3	89.3
0.05	79.3	81.3	83.9	86.1	86.1	86.1	86.1	86.1	86.1	89.9	90.0	90.0	91.3	91.3	91.3	91.3
0.025	81.3	83.3	85.9	88.1	88.1	88.1	88.1	88.1	88.1	91.9	92.0	92.0	93.3	93.3	93.3	93.3
0.01	83.3	85.3	87.9	90.1	90.1	90.1	90.1	90.1	90.1	93.9	94.0	94.0	95.3	95.3	95.3	95.3
0.005	85.3	87.3	89.9	92.1	92.1	92.1	92.1	92.1	92.1	95.9	96.0	96.0	97.3	97.3	97.3	97.3
0.0025	87.3	89.3	91.9	94.1	94.1	94.1	94.1	94.1	94.1	97.9	98.0	98.0	99.3	99.3	99.3	99.3
0.001	89.3	91.3	93.9	96.1	96.1	96.1	96.1	96.1	96.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0.0005	91.3	93.3	95.9	98.1	98.1	98.1	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00025	93.3	95.3	97.9	100.1	100.1	100.1	100.1	100.1	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0001	95.3	97.3	99.9	100.1	100.1	100.1	100.1	100.1	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00005	97.3	99.3	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.000025	99.3	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00001	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

899

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~156-1756~~

VISIBILITY STATUTE MILES

	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
10000	35.1	36.5	40.4	40.9	41.6	41.9	42.8	44.2	44.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
9000	42.5	40.3	48.4	48.5	48.6	48.6	50.9	52.2	52.2	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
8000	47.5	46.4	48.5	49.1	49.7	50.1	51.9	52.3	52.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
7000	43.3	47.1	49.1	49.6	50.3	50.6	51.5	52.9	52.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
6000	45.5	47.1	51.2	51.7	52.4	52.8	53.6	55.1	55.1	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
5000	47.5	50.8	52.9	53.7	54.4	54.4	55.2	56.8	56.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
4000	49.1	52.9	55.2	55.7	56.5	56.9	57.7	59.6	59.7	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
3000	51.1	53.4	56.2	56.7	57.5	57.8	58.7	60.5	60.7	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
2000	53.1	57.1	59.5	60.0	61.0	61.4	62.2	64.4	64.5	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
1000	55.1	60.2	62.7	63.3	64.3	64.7	65.5	67.7	67.8	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
500	59.5	62.4	65.5	66.1	67.4	67.7	68.6	70.8	70.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
400	64.5	65.3	72.9	73.6	75.1	75.6	76.4	78.9	79.0	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
300	68.2	73.3	76.9	77.6	79.2	79.6	80.4	82.9	83.0	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
200	71.7	76.2	80.0	80.7	82.4	83.0	83.9	86.3	86.4	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
100	75.1	76.9	80.7	81.4	83.2	83.9	84.7	87.2	87.4	88.8	89.0	89.2	89.2	89.2	89.2	8												

TOTAL NUMBER OF OBSERVATIONS

849

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. LOCAL CLIMATOLOGY BRANCH
 2. ETAC
 3. CLIMATE SERVICE/MAAC

CEILING VERSUS VISIBILITY

4. NAME: HALL AFB, TX STATION NAME

5. YEAR: 1964

6. FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

7. C-2, CC

CEILING FEET	VISIBILITY - STATUTE MILES															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	10
1000	42.4	44.1	44.9	45.8	45.9	46.5	47.8	47.9	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4
900	47.2	48.6	49.5	50.5	50.6	51.2	52.5	52.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
800	48.2	49.8	50.6	51.6	51.8	52.4	53.7	53.8	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
700	48.6	49.5	50.2	51.1	52.2	52.3	52.9	54.2	54.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7
600	46.7	51.1	51.9	52.8	53.8	53.9	54.5	55.8	55.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4
500	49.2	52.2	55.1	56.2	57.2	57.4	58.7	59.2	59.4	60.7	60.8	60.8	60.8	60.8	60.8	60.8
400	52.7	56.4	58.7	59.7	60.9	61.0	61.6	63.0	63.1	64.4	64.5	64.5	64.5	64.5	64.5	64.5
300	51.0	56.5	59.1	60.2	61.8	61.5	62.1	63.5	63.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1
200	50.6	60.0	62.2	63.3	64.4	64.5	65.1	66.7	66.8	68.4	68.6	68.6	68.6	68.6	68.6	68.6
100	57.1	61.7	64.1	65.1	66.3	66.4	67.0	68.6	68.7	70.4	70.6	70.6	70.6	70.6	70.6	70.6
50	59.3	64.2	66.8	67.8	69.0	69.1	69.7	71.4	71.5	73.3	73.5	73.5	73.5	73.5	73.5	73.5
25	64.4	69.8	72.8	74.0	75.3	75.3	75.9	77.5	77.6	79.4	79.6	79.6	79.6	79.6	79.6	79.6
10	66.1	72.2	75.4	76.9	78.4	78.6	79.2	80.8	80.9	82.8	83.2	83.2	83.2	83.2	83.2	83.2
5	68.1	74.2	77.4	78.9	80.4	80.6	81.2	82.8	82.9	84.8	85.2	85.2	85.2	85.2	85.2	85.2
2	69.7	75.7	78.2	79.9	81.4	81.5	82.1	83.7	83.9	85.7	86.1	86.1	86.1	86.1	86.1	86.1
1	70.2	77.4	81.2	82.9	84.5	84.6	85.4	87.1	87.2	89.0	89.4	89.4	89.4	89.4	89.4	89.4
0	70.9	78.6	82.7	84.6	86.2	86.3	87.2	88.8	88.9	90.9	91.3	91.4	91.5	91.5	91.5	91.5
999	71.0	79.0	83.7	85.7	87.6	87.8	88.7	90.5	90.6	92.6	93.1	93.2	93.3	93.3	93.3	93.3
998	71.0	79.0	83.9	85.9	87.8	87.9	88.8	90.6	90.7	92.7	93.2	93.3	93.4	93.4	93.4	93.4
997	71.1	79.2	84.1	86.2	88.1	88.2	89.3	91.0	91.2	93.2	93.9	94.1	94.1	94.1	94.1	94.1
996	71.1	79.2	84.1	86.2	88.1	88.2	89.3	91.2	91.3	93.3	94.0	94.1	94.2	94.2	94.2	94.2
995	71.1	79.4	84.5	86.7	88.8	88.9	89.0	92.2	92.3	94.3	95.2	95.3	95.5	95.5	95.5	95.5
994	71.1	79.4	84.5	86.7	88.9	89.0	90.1	92.3	92.5	94.5	95.3	95.4	95.6	95.6	95.6	95.6
993	71.1	79.4	84.5	86.7	88.9	89.0	90.1	92.3	92.6	94.6	95.5	95.8	96.0	96.0	96.1	96.2
992	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.6	92.8	94.8	95.8	96.0	96.2	96.2	96.3	96.5
991	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.6	92.9	94.8	95.8	96.0	96.2	96.5	96.7	96.8
990	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.7	93.1	95.1	96.1	96.6	97.2	97.2	97.5	97.6
989	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.7	93.1	95.2	96.5	96.9	97.8	97.8	98.1	98.2
988	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.7	93.1	95.3	96.6	97.2	98.1	98.1	98.6	98.7
987	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.7	93.1	95.3	96.7	97.3	98.5	98.5	99.1	99.5
986	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.7	93.1	95.3	96.7	97.3	98.5	98.5	99.1	99.8
985	71.1	79.4	84.6	86.8	89.2	89.3	90.3	92.7	93.1	95.3	96.7	97.3	98.5	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

889

1. CLIMATE CLIMATOLOGY BRANCH
ETAC
AT LEAFER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. 155 HILL AFB, TX

75-84

555

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1. 155 HILL AFB, TX

		VISIBILITY, STATUTE MILES															
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	20
1	1000	47.2	47.2	49.9	49.4	47.8	49.8	50.2	50.8	51.1	51.6	51.7	51.7	51.7	51.7	51.7	51.8
2	900	47.5	51.9	52.5	53.0	53.5	53.6	54.1	54.8	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.8
3	800	47.5	51.9	53.6	54.1	54.5	54.7	55.1	55.8	56.2	56.7	56.8	56.8	56.8	56.8	56.8	56.9
4	700	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
5	600	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
6	500	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
7	400	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
8	300	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
9	200	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
10	100	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
11	0	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
12	1000	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
13	900	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
14	800	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
15	700	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
16	600	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
17	500	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
18	400	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
19	300	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
20	200	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
21	100	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
22	0	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
23	1000	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
24	900	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
25	800	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
26	700	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
27	600	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
28	500	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
29	400	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
30	300	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
31	200	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
32	100	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
33	0	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
34	1000	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
35	900	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
36	800	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
37	700	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
38	600	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
39	500	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
40	400	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
41	300	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
42	200	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
43	100	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
44	0	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
45	1000	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
46	900	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
47	800	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
48	700	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
49	600	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
50	500	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
51	400	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
52	300	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
53	200	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
54	100	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1
55	0	47.6	52.1	54.9	55.2	55.7	55.8	56.3	57.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.1

TOTAL NUMBER OF OBSERVATIONS

842

USAF ETAC 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
WHEAT-R SERVICE/MAC

CEILING VERSUS VISIBILITY

2-4-5 HILL AFB IL

75-84

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	43.5	44.7	45.1	45.5	45.9	46.4	46.5	47.3	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.9
900	44.0	45.2	45.6	46.0	46.4	46.9	47.0	47.8	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.4
800	44.5	45.7	46.1	46.5	46.9	47.4	47.5	48.3	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.9
700	45.0	46.2	46.6	47.0	47.4	47.9	48.0	48.8	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.4
600	45.5	46.7	47.1	47.5	47.9	48.4	48.5	49.3	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.9
500	46.0	47.2	47.6	48.0	48.4	48.9	49.0	49.8	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.4
400	46.5	47.7	48.1	48.5	48.9	49.4	49.5	50.3	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.9
300	47.0	48.2	48.6	49.0	49.4	49.9	50.0	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.4
200	47.5	48.7	49.1	49.5	49.9	50.4	50.5	51.3	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.9
100	48.0	49.2	49.6	50.0	50.4	50.9	51.0	51.8	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.4
0	48.5	49.7	50.1	50.5	50.9	51.4	51.5	52.3	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.9
1000	49.0	50.2	50.6	51.0	51.4	51.9	52.0	52.8	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.4
900	49.5	50.7	51.1	51.5	51.9	52.4	52.5	53.3	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.9
800	50.0	51.2	51.6	52.0	52.4	52.9	53.0	53.8	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.4
700	50.5	51.7	52.1	52.5	52.9	53.4	53.5	54.3	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.9
600	51.0	52.2	52.6	53.0	53.4	53.9	54.0	54.8	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.4
500	51.5	52.7	53.1	53.5	53.9	54.4	54.5	55.3	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.9
400	52.0	53.2	53.6	54.0	54.4	54.9	55.0	55.8	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.4
300	52.5	53.7	54.1	54.5	54.9	55.4	55.5	56.3	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.9
200	53.0	54.2	54.6	55.0	55.4	55.9	56.0	56.8	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.4
100	53.5	54.7	55.1	55.5	55.9	56.4	56.5	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.9
0	54.0	55.2	55.6	56.0	56.4	56.9	57.0	57.8	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.4
1000	54.5	55.7	56.1	56.5	56.9	57.4	57.5	58.3	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.9
900	55.0	56.2	56.6	57.0	57.4	57.9	58.0	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.4
800	55.5	56.7	57.1	57.5	57.9	58.4	58.5	59.3	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.9
700	56.0	57.2	57.6	58.0	58.4	58.9	59.0	59.8	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.4
600	56.5	57.7	58.1	58.5	58.9	59.4	59.5	60.3	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.9
500	57.0	58.2	58.6	59.0	59.4	59.9	60.0	60.8	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.4
400	57.5	58.7	59.1	59.5	59.9	60.4	60.5	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.9
300	58.0	59.2	59.6	60.0	60.4	60.9	61.0	61.8	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.4
200	58.5	59.7	60.1	60.5	60.9	61.4	61.5	62.3	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.9
100	59.0	60.2	60.6	61.0	61.4	61.9	62.0	62.8	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.4
0	59.5	60.7	61.1	61.5	61.9	62.4	62.5	63.3	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.9
1000	60.0	61.2	61.6	62.0	62.4	62.9	63.0	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.4
900	60.5	61.7	62.1	62.5	62.9	63.4	63.5	64.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.9
800	61.0	62.2	62.6	63.0	63.4	63.9	64.0	64.8	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.4
700	61.5	62.7	63.1	63.5	63.9	64.4	64.5	65.3	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.9
600	62.0	63.2	63.6	64.0	64.4	64.9	65.0	65.8	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.4
500	62.5	63.7	64.1	64.5	64.9	65.4	65.5	66.3	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.9
400	63.0	64.2	64.6	65.0	65.4	65.9	66.0	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.4
300	63.5	64.7	65.1	65.5	65.9	66.4	66.5	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.9
200	64.0	65.2	65.6	66.0	66.4	66.9	67.0	67.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.4
100	64.5	65.7	66.1	66.5	66.9	67.4	67.5	68.3	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.9
0	65.0	66.2	66.6	67.0	67.4	67.9	68.0	68.8	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.4
1000	65.5	66.7	67.1	67.5	67.9	68.4	68.5	69.3	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.9
900	66.0	67.2	67.6	68.0	68.4	68.9	69.0	69.8	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.4
800	66.5	67.7	68.1	68.5	68.9	69.4	69.5	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.9
700	67.0	68.2	68.6	69.0	69.4	69.9	70.0	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.4
600	67.5	68.7	69.1	69.5	69.9	70.4	70.5	71.3	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.9
500	68.0	69.2	69.6	70.0	70.4	70.9	71.0	71.8	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.4
400	68.5	69.7	70.1	70.5	70.9	71.4	71.5	72.3	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.9
300	69.0	70.2	70.6	71.0	71.4	71.9	72.0	72.8	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.4
200	69.5	70.7	71.1	71.5	71.9	72.4	72.5	73.3	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.9
100	70.0	71.2	71.6	72.0	72.4	72.9	73.0	73.8	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.4
0	70.5	71.7	72.1	72.5	72.9	73.4	73.5	74.3	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.9
1000	71.0	72.2	72.6	73.0	73.4	73.9	74.0	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.4
900	71.5	72.7	73.1	73.5	73.9	74.4	74.5	75.3	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.9
800	72.0	73.2	73.6	74.0	74.4	74.9	75.0	75.8	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.4
700	72.5	73.7	74.1	74.5	74.9	75.4	75.5	76.3	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.9
600	73.0	74.2	74.6	75.0	75.4	75.9	76.0	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.4
500	73.5	74.7	75.1	75.5	75.9	76.4	76.5	77.3	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.9
400	74.0	75.2	75.6	76.0	76.4	76.9	77.0	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.4
300	74.5	75.7	76.1	76.5	76.9	77.4	77.5	78.3	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.9
200	75.0	76.2	76.6	77.0	77.4	77.9	78.0	78.8	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.4
100	75.5	76.7	77.1	77.5	77.9	78.4	78.5	79.3	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.9
0	76.0	77.2	77.6	78.0	78.4	78.9	79.0	79.8	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.4
1000	76.5	77.7	78.1	78.5	78.9	79.4	79.5	80.3	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.9
900	77.0	78.2	78.6	79.0	79.4	79.9	80.0	80.8	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.4
800	77.5	78.7	79.1	79.5	79.9	80.4	80.5	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.9
700	78.0	79.2	79.6	80.0	80.4	80.9	81.0	81.8	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.4
600	78.5	79.7	80.1	80.5	80.9	81.4	81.5	82.3	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.9
500	79.0	80.2	80.6	81.0	81.4	81.9	82.0	82.8	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.4
400	79.5	80.7	81.1	81.5	81.9	82.4	82.5	83.3	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.9
300	80.0	81.2	81.6	82.0	82.4	82.9	83.0	83.8	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.4
200																

MAC CLIMATOLOGY BRANCH
DETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~2025~~ ~~FALL 1961~~ ~~WYOMING~~

75-84



PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

155-555

		VISIBILITY STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1	10000	49.7	49.4	49.6	49.6	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2	9000	50.7	50.5	51.1	51.1	51.2	51.2	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
3	8000	51.4	51.1	51.3	51.3	51.4	51.4	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
4	7000	51.6	51.3	51.5	51.5	51.6	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
5	6000	51.6	51.3	52.5	52.5	52.6	52.6	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
6	5000	51.7	51.5	54.1	54.1	54.2	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
7	4000	59.3	59.2	59.5	59.5	59.6	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3
8	3000	59.8	59.6	60.2	60.2	60.3	60.3	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
9	2000	64.5	65.7	66.1	66.1	66.2	66.2	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0
10	1800	67.6	68.8	69.2	69.2	69.4	69.4	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
11	1600	71.5	71.2	72.6	72.6	72.7	72.7	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.5
12	1400	75.5	74.2	75.6	74.7	75.7	75.1	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	76.0
13	1200	79.2	78.1	81.2	81.3	81.6	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.6
14	1000	83.3	83.2	83.7	83.8	84.2	84.3	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.3
15	900	81.4	84.6	85.1	85.2	85.6	85.7	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.7
16	800	81.3	81.7	87.7	88.1	88.6	88.7	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.7
17	700	81.5	81.6	89.5	89.5	90.1	90.2	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.2
18	600	81.5	81.6	89.9	90.1	91.1	91.2	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.3
19	500	81.9	81.8	90.5	90.4	91.2	91.3	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.4
20	400	81.8	81.8	90.5	91.0	91.8	91.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.1
21	300	81.8	81.9	90.6	91.1	92.0	92.2	93.1	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.7	93.8
22	200	84.1	85.1	91.1	91.5	92.5	92.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.4	94.5
23	100	84.1	85.1	91.2	91.6	92.6	92.7	93.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.5	94.6
24	0	84.1	85.2	91.3	91.9	92.9	93.1	94.1	94.5	94.5	94.8	94.8	94.8	95.1	95.2	95.3	95.4
25	700	84.1	85.4	91.5	92.1	93.1	93.1	94.2	94.7	94.7	95.2	95.2	95.2	95.4	95.5	95.6	95.7
26	600	84.1	85.5	91.7	92.3	93.2	93.3	94.3	94.8	94.8	95.4	95.4	95.4	95.9	96.0	96.1	96.2
27	500	84.1	85.6	91.8	92.4	93.3	93.4	94.4	95.5	95.5	96.5	96.6	96.6	96.9	97.0	97.1	97.2
28	400	84.1	85.6	91.8	92.4	93.3	93.4	94.4	95.5	95.5	96.5	96.6	96.6	96.9	97.0	97.1	97.2
29	300	84.1	85.6	91.8	92.4	93.3	93.4	94.4	95.5	95.5	96.5	96.6	96.6	96.9	97.0	97.1	97.2
30	200	84.1	85.6	91.8	92.4	93.3	93.4	94.4	95.5	95.5	96.5	96.6	96.6	96.9	97.0	97.1	97.2
31	100	84.1	85.6	91.8	92.4	93.3	93.4	94.4	95.5	95.5	96.5	96.6	96.6	96.9	97.0	97.1	97.2
32	0	84.1	85.6	91.8	92.4	93.3	93.4	94.4	95.5	95.5	96.5	96.6	96.6	96.9	97.0	97.1	97.2

TOTAL NUMBER OF OBSERVATIONS

935

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
ETAC
AFAT 14 SERVICE/MAC

CEILING VERSUS VISIBILITY

1945-1946 FILL APR 11

75-84

YEARS

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-5555
HOURLY

CEILING FEET	VISIBILITY - STATUTE MILES															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	10
1000	47.6	47.1	47.2	47.4	47.4	47.4	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
900	50.1	50.6	50.8	51.0	51.0	51.0	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6
800	50.4	51.0	51.1	51.3	51.3	51.3	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9
700	51.1	51.5	51.6	51.8	51.8	51.8	52.2	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
600	51.6	52.2	52.3	52.5	52.5	52.5	52.8	53.1	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1
500	52.5	54.4	54.5	54.7	54.7	54.7	55.1	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4
400	57.6	58.6	59.7	59.9	59.9	59.9	59.2	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
300	59.5	59.2	59.4	59.6	59.6	59.6	59.9	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
200	63.7	64.4	64.5	64.9	64.9	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7
100	66.2	66.9	67.0	67.5	67.5	67.5	67.8	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2
0	71.4	71.7	72.8	73.2	73.2	73.2	73.5	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0
1000	77.5	77.5	79.2	79.8	79.8	79.8	80.1	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5
900	77.7	81.4	81.6	82.2	82.2	82.2	82.5	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9
800	77.5	82.4	82.7	83.2	83.2	83.2	83.5	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
700	81.8	83.8	84.3	84.8	84.8	84.8	85.2	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7
600	82.8	85.3	86.5	87.1	87.1	87.1	87.4	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0
500	87.5	86.8	88.4	88.9	88.9	88.9	89.4	89.8	89.8	89.8	89.8	89.8	89.9	90.0	90.0	90.0
400	89.1	87.6	89.5	90.1	90.1	90.1	91.2	91.6	91.6	91.6	91.6	91.6	91.7	91.8	91.8	91.8
300	84.1	87.7	89.6	90.2	90.6	90.9	91.5	91.9	91.9	91.9	91.9	91.9	92.0	92.2	92.2	92.2
200	84.1	88.7	90.9	91.6	92.0	92.3	92.0	93.4	93.8	93.8	93.8	93.8	93.5	93.7	93.8	93.8
100	84.3	88.9	91.2	91.9	92.5	92.7	93.4	93.9	93.9	93.9	93.9	94.0	94.1	94.2	94.2	94.2
0	84.9	89.2	91.5	92.3	92.8	93.1	94.2	94.9	94.9	94.9	94.9	95.1	95.2	95.3	95.3	95.3
1000	84.4	89.2	91.6	92.4	92.9	93.2	94.3	95.1	95.1	95.1	95.1	95.3	95.5	95.6	95.6	95.6
900	84.4	89.6	92.0	92.8	93.3	93.8	94.8	95.6	95.6	95.7	95.8	96.0	96.2	96.3	96.3	96.3
800	84.4	89.6	92.2	92.9	93.4	94.0	95.2	95.9	95.9	96.0	96.1	96.3	96.6	96.7	96.7	96.7
700	84.4	89.6	92.3	93.0	93.5	94.2	95.4	96.2	96.2	96.3	96.5	96.7	96.9	97.0	97.0	97.0
600	84.4	89.6	92.3	93.0	93.7	94.3	95.6	96.9	96.9	97.3	97.4	97.6	97.8	98.1	98.1	98.1
500	84.4	89.6	92.3	93.0	93.7	94.3	95.7	97.1	97.1	97.5	97.7	98.0	98.2	98.4	98.4	98.4
400	84.4	89.6	92.3	93.0	93.7	94.3	95.7	97.1	97.1	97.6	98.1	98.3	98.5	98.7	98.9	98.9
300	84.4	89.6	92.3	93.0	93.7	94.3	95.7	97.1	97.1	97.6	98.1	98.3	98.5	98.7	98.9	98.9
200	84.4	89.6	92.3	93.0	93.7	94.3	95.7	97.1	97.1	97.6	98.1	98.3	98.5	98.7	98.9	98.9
100	84.4	89.6	92.3	93.0	93.7	94.3	95.7	97.1	97.1	97.6	98.1	98.3	98.5	98.7	98.9	98.9
0	84.4	89.6	92.3	93.0	93.7	94.3	95.7	97.1	97.1	97.6	98.1	98.3	98.5	98.7	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

930

CLIMATE CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

DATE: 11-11-71 STATION NAME: HALL AFB, TX

75-84

MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 1-60

		VISIBILITY: STATUTE MILES															
		210	20	25	24	23	22	27	21	21	21	21	21	21	21	21	20
2	2000	47.7	47.2	47.4	47.4	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.9
2	1800	47.5	46.8	47.1	47.1	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.6
2	1600	47.1	47.4	47.6	47.6	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.3
2	1400	47.5	47.8	48.1	48.1	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7
2	1200	49.5	48.8	49.1	49.0	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7
2	1000	51.1	51.7	51.9	51.9	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6
2	800	55.6	56.1	56.3	56.3	56.7	56.9	57.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.2
2	600	56.5	57.2	57.4	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3
2	400	67.8	63.2	63.5	63.7	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.5
2	200	65.3	65.8	66.1	66.2	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1
2	100	69.9	69.6	69.9	70.0	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.9
2	50	75.4	76.5	76.8	76.9	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7
2	25	79.1	79.4	79.8	79.9	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.9
2	12.5	80.4	80.7	81.0	81.1	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.7
2	6.25	81.5	81.8	82.1	82.2	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9
2	3.125	82.7	83.0	83.3	83.4	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1
2	1.5625	83.9	84.2	84.5	84.6	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3
2	0.78125	85.1	85.4	85.7	85.8	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5
2	0.390625	86.3	86.6	86.9	87.0	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.7
2	0.1953125	87.5	87.8	88.1	88.2	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.9
2	0.09765625	88.7	89.0	89.3	89.4	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.1
2	0.048828125	89.9	90.2	90.5	90.6	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3
2	0.0244140625	91.1	91.4	91.7	91.8	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5
2	0.01220703125	92.3	92.6	92.9	93.0	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7
2	0.006103515625	93.5	93.8	94.1	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.9
2	0.0030517578125	94.7	95.0	95.3	95.4	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.1
2	0.00152587890625	95.9	96.2	96.5	96.6	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3
2	0.000762939453125	97.1	97.4	97.7	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5
2	0.0003814697265625	98.3	98.6	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
2	0.00019073486328125	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

936

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2-11-68 HILL GEB LI - TAYLOR, SAM

75-24

306-1150

[illegible]

TOTAL NUMBER OF OBSERVATIONS

936

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

75-24

241

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-2-44

V-SIBY 17 STATUTE MILES

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85															

TOTAL NUMBER OF OBSERVATIONS

932

FAL CLIMATOLOGY BRANCH

ETAC

AFAT 5. SERVICE/MAO

CEILING VERSUS VISIBILITY

2025 FALL APP. 11. 1970

75-84

PAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-1700

		VISIBILITY - STATUTE MILES															
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	1000	37.1	37.7	37.8	37.8	37.8	38.0	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
900	900	44.2	44.5	44.6	44.6	44.6	45.7	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9
800	800	46.7	46.7	46.8	46.8	46.8	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
700	700	47.5	47.1	47.2	47.2	47.2	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
600	600	47.6	47.2	47.3	47.3	47.3	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
500	500	51.4	52.2	52.3	52.3	52.3	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6
400	400	54.7	55.7	55.9	56.0	56.2	56.5	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
300	300	55.7	56.5	56.8	56.9	57.1	57.3	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
200	200	60.4	60.4	60.5	60.6	60.9	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
100	100	62.7	63.3	63.3	64.1	64.2	64.5	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
0	0	65.1	66.1	66.1	66.6	67.1	67.4	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
1000	1000	72.1	72.2	72.6	75.8	76.3	76.7	76.9	76.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2
900	900	75.1	75.7	81.2	85.4	87.1	88.1	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
800	800	80.3	84.5	85.3	85.6	86.2	86.6	86.9	86.9	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
700	700	80.3	85.5	86.3	86.7	87.3	87.6	88.0	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
600	600	81.5	87.2	88.3	88.7	89.7	90.1	90.4	90.4	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9
500	500	84.4	88.0	89.0	89.6	90.8	91.1	91.5	91.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
400	400	84.7	88.8	90.0	90.9	92.0	92.4	93.2	93.4	93.5	93.9	94.1	94.2	94.2	94.2	94.2	94.2
300	300	84.7	88.8	90.0	91.0	92.2	92.5	93.3	93.5	93.7	94.0	94.2	94.3	94.3	94.3	94.3	94.3
200	200	84.7	88.8	90.0	91.2	92.7	93.0	94.3	94.6	94.7	95.1	95.3	95.4	95.5	95.5	95.5	95.5
100	100	84.7	88.8	90.0	91.2	92.8	93.2	94.6	94.9	95.1	95.4	95.6	95.7	95.8	95.8	95.8	95.8
0	0	84.7	88.8	90.0	91.3	92.9	93.4	95.2	95.7	95.8	96.1	96.3	96.5	96.6	96.6	96.6	96.6
1000	1000	84.7	88.8	90.0	91.4	93.0	93.5	95.3	95.8	96.0	96.5	96.7	96.8	96.9	96.9	96.9	96.9
900	900	84.7	88.8	90.0	91.4	93.0	93.5	95.3	95.9	96.1	96.6	97.2	97.3	97.4	97.4	97.4	97.4
800	800	84.7	88.8	90.0	91.4	93.0	93.5	95.3	95.9	96.1	96.6	97.4	97.5	97.6	97.7	97.7	97.7
700	700	84.7	88.8	90.0	91.5	93.1	93.7	95.5	96.1	96.2	96.7	97.5	97.6	97.7	97.8	97.8	97.8
600	600	84.7	88.8	90.4	91.5	93.1	93.7	95.5	96.1	96.3	97.1	98.0	98.1	98.6	98.7	98.7	98.7
500	500	84.7	88.8	90.4	91.5	93.1	93.7	95.5	96.3	96.6	97.4	98.4	98.6	99.1	99.2	99.2	99.2
400	400	84.7	88.8	90.4	91.5	93.1	93.7	95.5	96.3	96.6	97.5	98.5	98.8	99.4	99.6	99.8	99.8
300	300	84.7	88.8	90.4	91.5	93.1	93.7	95.5	96.3	96.6	97.5	98.5	98.8	99.4	99.6	99.8	99.8
200	200	84.7	88.8	90.4	91.5	93.1	93.7	95.5	96.3	96.6	97.5	98.5	98.8	99.4	99.6	99.8	99.8
100	100	84.7	88.8	90.4	91.5	93.1	93.7	95.5	96.3	96.6	97.5	98.5	98.8	99.4	99.6	99.8	99.8
0	0	84.7	88.8	90.4	91.5	93.1	93.7	95.5	96.3	96.6	97.5	98.5	98.8	99.4	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

910

METEOROLOGICAL CLIMATOLOGY BRANCH

DATA

WEATHER SERVICE MANUAL

CEILING VERSUS VISIBILITY

DATE: 11-1-54

75-8

KAF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-5-54

		VISIBILITY - STATUTE MILES															
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	FEET	44.4	41.5	40.8	40.8	40.9	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
900	FEET	40.2	37.3	36.6	36.6	36.7	36.8	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
800	FEET	36.0	33.1	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
700	FEET	31.8	28.9	28.2	28.2	28.3	28.4	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5
600	FEET	27.6	24.7	24.0	24.0	24.1	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3
500	FEET	23.4	20.5	19.8	19.8	19.9	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1
400	FEET	19.2	16.3	15.6	15.6	15.7	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9
300	FEET	15.0	12.1	11.4	11.4	11.5	11.6	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7
200	FEET	10.8	7.9	7.2	7.2	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5
100	FEET	6.6	3.7	3.0	3.0	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
0	FEET	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	FEET	44.4	41.5	40.8	40.8	40.9	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
900	FEET	40.2	37.3	36.6	36.6	36.7	36.8	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
800	FEET	36.0	33.1	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
700	FEET	31.8	28.9	28.2	28.2	28.3	28.4	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5
600	FEET	27.6	24.7	24.0	24.0	24.1	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3
500	FEET	23.4	20.5	19.8	19.8	19.9	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1
400	FEET	19.2	16.3	15.6	15.6	15.7	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9
300	FEET	15.0	12.1	11.4	11.4	11.5	11.6	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7
200	FEET	10.8	7.9	7.2	7.2	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5
100	FEET	6.6	3.7	3.0	3.0	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
0	FEET	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	FEET	44.4	41.5	40.8	40.8	40.9	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
900	FEET	40.2	37.3	36.6	36.6	36.7	36.8	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
800	FEET	36.0	33.1	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
700	FEET	31.8	28.9	28.2	28.2	28.3	28.4	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5
600	FEET	27.6	24.7	24.0	24.0	24.1	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3
500	FEET	23.4	20.5	19.8	19.8	19.9	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1
400	FEET	19.2	16.3	15.6	15.6	15.7	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9
300	FEET	15.0	12.1	11.4	11.4	11.5	11.6	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7
200	FEET	10.8	7.9	7.2	7.2	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5
100	FEET	6.6	3.7	3.0	3.0	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
0	FEET	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

932

USAF ETC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-14-5 BILL AEE ETI

75-84

MAE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01-6-2300

		VISIBILITY - STATUTE MILES															
		20	25	24	23	22	27	21	21	21	21	21	21	21	25 16	21	20
1000	49.1	49.5	49.5	49.5	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
900	51.7	53.1	53.2	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.7
800	52.6	54.1	54.1	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5
700	53.1	54.6	54.7	54.7	54.7	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2
600	54.5	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
500	56.7	58.2	58.3	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
400	59.1	61.8	62.2	62.2	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8
300	61.2	62.9	63.2	63.2	63.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9
200	66.8	68.2	68.5	68.5	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
100	69.5	71.2	71.5	71.5	71.6	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3
000	71.5	73.2	73.5	73.5	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3
900	77.3	79.6	79.9	80.0	80.1	80.1	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9
800	79.1	81.6	82.2	82.3	82.4	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1
700	81.5	84.2	84.3	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2
600	84.6	86.8	87.2	87.3	87.3	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2
500	87.4	89.9	90.3	90.4	90.4	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2
400	90.4	92.9	93.3	93.4	93.4	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
300	93.4	95.9	96.3	96.4	96.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
200	96.4	98.9	99.3	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 00730
 AIR MAIL SERVICE/MAIL

CEILING VERSUS VISIBILITY

~~SECRET~~ ~~HILL AFE LI~~ ~~WATER GARD~~

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

744c

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

DATE: 11-11-64 HILL AFB, UT

75-84

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

155-0221

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
0	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
10	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
20	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
30	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
40	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
50	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
60	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
70	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
80	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
90	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
100	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
110	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
120	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
130	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
140	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
150	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
160	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
170	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
180	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
190	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
200	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
210	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
220	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
230	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
240	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
250	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
260	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
270	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
280	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
290	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
ETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

HILL AFB IL

75-84

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

200-5500

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
≥ 10000	4.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000	5.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 6000	5.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4000	6.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 2000	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 1000	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 800	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 600	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 400	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 200	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 100	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 0	6.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 1000 101-84 D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-785 HILL AFB, UT 75-84 APR 1966-1966

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

		VISIBILITY - STATUTE MILES															
		20	26	31	34	38	42	46	50	54	58	62	66	70	74	78	80
1	1000	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2	1000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
1	800	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
2	800	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
1	600	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
2	600	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
1	400	25.4	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2	400	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
1	200	12.4	12.4	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
2	200	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
1	100	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
2	100	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
1	50	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2	50	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1	25	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2	25	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
1	10	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1	5	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
2	5	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
1	2	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
2	2	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
1	1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
2	1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
1	0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
2	0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2

TOTAL NUMBER OF OBSERVATIONS 900

2

JUNIOR CLIMATOLOGY BRANCH
 AFMSTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0005 HILL AFB LT

75-84

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12 C-1400

		VISIBILITY STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
900	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
800	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
700	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
600	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
500	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
400	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
300	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
200	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
100	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
0	FEET	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/AL

CEILING VERSUS VISIBILITY

STATION NAME HALL AFB TX

75-84

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-1700

		VISIBILITY: STATUTE MILES															
		210	20	25	24	23	22	27	21	21	21	21	21	21	21	21	20
2	2000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
2	1800	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2	1600	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2	1400	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
2	1200	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2	1000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2	800	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2	600	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2	400	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2	200	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2	100	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2	0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2	2000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
2	1800	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2	1600	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2	1400	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
2	1200	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2	1000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2	800	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2	600	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2	400	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2	200	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2	100	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2	0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

900

JOINT CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-14-5 HILL AFB, UT (WFO) (C)

75-84

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

P.C.-2000

VISIBILITY	VISIBILITY STATUTE MILES															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
900	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
800	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
700	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
600	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
400	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
300	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
200	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
0	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
5000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
4000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
3000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
500	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
5000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
4000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
3000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
5000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
4000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
3000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

900

USAF CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

2055 HILL FIELD

75-84

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6-2300

CEILING FEET	VISIBILITY STATUTE MILES																
	20	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
5000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
4000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
3000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
1000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
800	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
700	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
600	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
400	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
300	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
200	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
100	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD A 147 184

HILL AFB UTAH REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS (RU..U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 84
USAFFIAC/DS 84/029 SRI-AD-E850 746 F/G 4/2

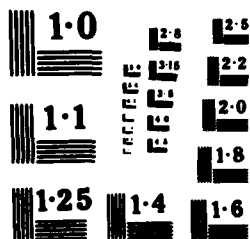
3/6

UNCLASSIFIED

F/G 4/2

NI

[illegible]



2

 AIR CLIMATOLOGY BRANCH
 771
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

5 HILL AFB UT

15-84

MAY

 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM 5200

	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
1000	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
900	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
800	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
700	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
600	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
500	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
400	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
300	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
200	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
100	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
900	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
800	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
700	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
600	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
400	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
100	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
900	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
700	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
600	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
400	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
300	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

24-5 HILL AFB UT STATION NAME

75-84 YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

700-5500
FOOT FEET

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO. CEILING	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 8000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3500	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
OFFICE
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME HILL AFB IL

YEARS 75-84

MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

666-666
HOUS 1.5

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000 N 16000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000 N 12000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000 N 9000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000 N 7000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000 N 5000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500 N 4000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500 N 3000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2500 N 2000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800 N 1500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200 N 1000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900 N 800	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700 N 600	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500 N 400	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300 N 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100 N 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 910

6
2
C

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AFETAC SERVICE/MAC

CEILING VERSUS VISIBILITY

2005 HILL AFB, UT

75-84

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2000-1100
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	21	27	22	21	21	21	24	24	21	2510	24	20
NO CEILING 20000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
20000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
20000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
20000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
20000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
20000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
20000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
20000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
20000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
20000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
20000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
20000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
20000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
20000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
20000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
20000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
20000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
20000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
20000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
20000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
20000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
20000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
20000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
20000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
20000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
20000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
20000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
20000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
20000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
ETAC
AT LEAST-ER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-55 BILL AFB LT STATION NAME

75-84

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1000

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥20000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥18000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥16000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥14000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥12000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥9000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥8000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥7000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥6000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥5000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥4500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥4000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥3500	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥3000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥2500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥2000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥1800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥1600	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥1400	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥1200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

930

2

FEDERAL CLIMATOLOGY BRANCH
ETAC
AIR FORCE SERVICE/MAC

CEILING VERSUS VISIBILITY

2005 HILL AFB IL STATION NAME

75-84 YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

150-1700
FOOT FEET

FOOT FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
≥ 1000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 900	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 800	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 700	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 600	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 500	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 400	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 300	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 200	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 100	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 50	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 20	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 10	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ .5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ .25	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ .16	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ .1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ .0625	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ .03125	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ .015625	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .0078125	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2005 MAY 11 11:00 AM

75-84

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 25	≥ 20	≥ 15	≥ 10	≥ 5	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
≥ 10000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 2000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 600	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 400	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

922

USAF ETAC

FORM 10-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

USAF CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

DATE: FALL 1964 STATION: MAC

75-84

PAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-10-100

NO. CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
2 20000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
2 18000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2 16000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2 14000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
2 12000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2 10000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
2 9000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2 8000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2 7000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2 6000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2 5000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
2 4500	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
2 4000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2 3500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
2 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2 2500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2 2000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 1800	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 1600	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 1400	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 1200	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 1000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 900	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 800	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 700	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 600	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 400	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 300	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 200	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 100	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

527

USAF ETAC 0-16-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-1-5 HALL AFB TX STATION NAME

75-84 YEAR

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOUR PERCENT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
≥ 10000	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 6000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 2000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 1000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 800	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 600	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 400	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 200	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 100	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 10000	94.1	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 8000	96.7	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 6000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 6000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

7433

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

DATE: 1965 APR 11

74-87

UUA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CCC-0220

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
10000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
9000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
8000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
7000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
6000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
5000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
4000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
3000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
800	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
700	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
400	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
300	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

900

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-555 HILL AFB LI STATION NAME 74-81 YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-6500
HOURS TEST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
≥20000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥18000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥16000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥14000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥12000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥10000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥9000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥8000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥7000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥6000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥5000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥4500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥3500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥3000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1448 HILL SEP 11 1951

74-27

445

~~SECRET~~

VISIBILITY STATUTE MILES

[illegible]

TOTAL NUMBER OF OBSERVATIONS

524

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF CLIMATOLOGY BRANCH
ETAC
AT LEAST 10 SERVICE/MAC

CEILING VERSUS VISIBILITY

DATE: 10/1/51

74-81

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

999-1000

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
900	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
800	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
700	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
600	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
500	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
400	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
300	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
200	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
100	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
900	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
700	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

900

JOURNAL CLIMATOLOGY BRANCH
 10000
 10000

CEILING VERSUS VISIBILITY

PAGE HILL AFF - I FIVE

74-82

111

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~15-0-1450~~

[illegible]**TOTAL NUMBER OF OBSERVATIONS**

966

USAF ETAC 04 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1955 HILL AFB IL

74-87

1114

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-0-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	200	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
900	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
800	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
700	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
600	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
400	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
300	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
200	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
100	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

900

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-1-55 HALL AFB, TX

74-82

YEAR

DATA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21,6-2,100

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	22	21	21	21	20	20	20	20	20	20
2 2000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2 1800	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2 1600	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2 1400	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2 1200	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2 1000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2 900	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
2 800	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2 700	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2 600	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2 500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2 450	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 400	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 350	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 250	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 180	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 150	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 120	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

926

2

FEDERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/PAO

CEILING VERSUS VISIBILITY

DATE: 11/1/55

TH-81

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

		VISIBILITY - STATUTE MILES															
		27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
CEILING - FEET																	
20000		75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
18000		80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
16000		81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
14000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
12000		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
10000		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
9000		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
8000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
7000		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
6000		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
5000		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
4500		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
4000		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
3500		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
3000		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2500		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1800		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1600		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1400		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

7200

USAF ETAC FORM 11-54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2
LOCAL CLIMATOLOGY BRANCH
AFETAC
AT FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-755

FALL 1961

STATION NAME

74-83

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

LOG-CHECK

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
18000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
16000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
14000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
12000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
10000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
8000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
6000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
4000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
250	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
50	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
25	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

936

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEST FR SERVICE/MAC

CEILING VERSUS VISIBILITY

2005 BILL ABEL LOCATION NAME

74-83

74-83

74-83

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

760-0500

		VISIBILITY - STATUTE MILES															
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
10000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
9000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
8000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
7000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
6000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
5000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
4000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
3000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
1000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
900	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
800	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
700	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
600	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
500	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
400	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
300	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
200	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
100	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6

TOTAL NUMBER OF OBSERVATIONS

936

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WATER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-55 HILL AFB, MT STATION NAME

74-81

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-000

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	26	25	24	23	22	27	21	21	21	24	24	24	25 16	24	20
10000	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
9000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
8000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
7000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
6000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
5000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
4000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
3000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

930

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/AMAC

CEILING VERSUS VISIBILITY

DATE: 11-11-64

14-81

777

1111

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-11-64

VISIBILITY: STATUTE MILES

	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0
7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

936

USAF ETAC 10-64 D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2015 HILL AFB LT

74-81

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
1000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
900	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
800	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
700	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
600	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
500	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
400	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
300	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
200	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
100	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2

TOTAL NUMBER OF OBSERVATIONS

910

LOCAL CLIMATOLOGY BRANCH
ETAC
FACILITY SERVICE/MAC

CEILING VERSUS VISIBILITY

DATE: 15 FEB 61 FACILITY: ETAC

78-83

MM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 FEB 1961

		VISIBILITY - STATUTE MILES																
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
1	1000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
1	900	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1	800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1	700	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1	600	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
1	500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1	400	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
1	300	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
1	200	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1	100	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
1	50	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1	0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2	1000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2	900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2	800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2	700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2	600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	50	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2	0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

930

2

USAF CLIMATOLOGY BRANCH
ETAC
AT FAYETVILLE, AR

CEILING VERSUS VISIBILITY

DATE: 11/11/51

74-81

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
9000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
8000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
7000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
6000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
5000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
4000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
3000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
900	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

7882

FEDERAL CLIMATOLOGY BRANCH
 COTAC
 WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-16-2010 BY 60322 UCBAW

7-19-83 HILL AFB - I. [unclear]

74-91

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~SECRET~~

[illegible]

TOTAL NUMBER OF OBSERVATIONS

535

USAF FIAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. CLIMATOLOGY BRANCH
ETAC
ATLANTIC SERVICE/MAC

CEILING VERSUS VISIBILITY

20005 HILL AFB UT

74-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1500

ELEVATION FEET	VISIBILITY STATUTE MILES															
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1400	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1300	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1200	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1100	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
900	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
800	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
700	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
600	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
400	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
300	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
200	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
100	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5

TOTAL NUMBER OF OBSERVATIONS

931

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
OFFTAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-005 HALL AFB LT STATION NAME

74-87

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

OFF-CASE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
≥ 7000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 6000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 5000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 450	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 350	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 250	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 150	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 50	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
1
FEDERAL CLIMATOLOGY BRANCH
AFETAC
OFFICE OF THE SERVICE/MAC

CEILING VERSUS VISIBILITY

10-15 HILL AFB, UT STATION NAME

74-81 YEAR

AMF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

266-1100

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2 2000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2 1800	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2 1600	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2 1400	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
2 1200	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
2 1000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2 800	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2 600	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
2 400	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2 300	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2 1500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 1400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 1300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 1100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

930

1
2
1
FEDERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20045 HILL AFB UT STATION NAME

18-83 YEAR

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11 C-1400

		VISIBILITY STATUTE MILES															
		20	20	20	24	23	22	22	21	21	21	21	21	21	21	21	20
1000	1000	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
900	900	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
800	800	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
700	700	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
600	600	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
500	500	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
400	400	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
300	300	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
200	200	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
100	100	96.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
50	50	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
25	25	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
15	15	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10	10	99.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
5	5	99.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	0	99.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1000	1000	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	900	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	800	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	700	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	600	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	500	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	400	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	300	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	200	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	100	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
50	50	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25	25	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
15	15	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
10	10	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
5	5	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	0	99.8	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 12-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1. CLIMATE CLIMATOLOGY BRANCH
2. ETAC
3. WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

2-265 1111 APR 11 STATION NAME

74-81

NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-5-1700

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
1. 10000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2. 9000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3. 8000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
4. 7000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
5. 6000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
6. 5000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
7. 4000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
8. 3000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
9. 2000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
10. 1000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
11. 500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
12. 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
13. 10000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
14. 9000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
15. 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16. 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
17. 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18. 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
19. 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20. 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21. 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
22. 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23. 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
24. 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 1-54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20105 HILL AFB, IL

74-83

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11 C-23CC

		VISIBILITY - STATUTE MILES																	
		20	26	25	24	23	22	22	21	21	21	21	21	21	21	25 16	24	20	
1	1000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
	900	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
2	800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
	700	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
3	600	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
	500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
4	400	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
	300	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
5	200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
	100	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
6	0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
	U	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	

TOTAL NUMBER OF OBSERVATIONS

930

FEDERAL CLIMATOLOGY BRANCH
WOLLAH
ATLANTA, GA SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
FALL ARB AT

74-83

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY, STATUTE MILES															
		20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	10
1000	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
900	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
800	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
700	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
600	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
500	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
400	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
300	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
200	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
100	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
50	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
10	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

7441

USAF ETAC D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
CLIMATE BRANCH
ETAC
STATISTICAL SERVICE/AFAC

CEILING VERSUS VISIBILITY

14-5 HILL AFB, CALIF. 74-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

SEP
1954

		VISIBILITY - STATUTE MILES																	
		20	20	20	24	23	27	27	21	21	21	21	21	21	21	2510	21	20	
1	1000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
2	900	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
3	800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
4	700	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
5	600	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
6	500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
7	400	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
8	300	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
9	200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
10	100	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
11	0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	

TOTAL NUMBER OF OBSERVATIONS

500

LOCAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14-5 BILL ABELLY STATION NAME

74-83 YEARS

SFP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
1000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
900	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
800	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
700	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
600	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
400	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
300	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
200	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
100	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
50	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
450	98.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
400	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
350	97.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
300	97.3	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
250	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
150	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
50	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	97.4	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.4	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

900

LOCAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

2005 HALL AFB TX

74-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-6800

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
1000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
900	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
800	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
700	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
400	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
300	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
200	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
100	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
4500	96.1	96.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
4000	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3500	98.3	98.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
3000	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2500	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2000	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1800	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1600	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1400	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1200	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

500

FEDERAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2015 HILL AFB UT STATION NAME

74-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-1-14CC

		VISIBILITY - STATUTE MILES																
		210	20	25	24	23	22	27	27	21	21	21	21	21	21	2516	21	20
10000	10000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
8000	8000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
6000	6000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
4000	4000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2000	2000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
1000	1000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
800	800	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
600	600	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
400	400	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
200	200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
100	100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
80	80	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
60	60	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40	40	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20	20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5	5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

9CC

LOCAL CLIMATOLOGY BRANCH
AF TAC
AF FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10045 HILL AFB, UT

74-83

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1700

	VISIBILITY, STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1001	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
1002	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
1003	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
1004	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1005	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
1006	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1007	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
1008	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1009	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
1010	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1011	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1012	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1013	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1014	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1015	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1016	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1017	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1018	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1019	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1020	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1021	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1022	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1023	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1024	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1025	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1026	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1027	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1028	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1029	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1030	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1031	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1032	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1033	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1034	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1035	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1036	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1037	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1038	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1039	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1040	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

9CC

1. LOCAL CLIMATOLOGY BRANCH
2. ETAC
3. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. 1955 HILL AFB, UT STATION NAME

74-81

YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-1-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
1000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
900	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
800	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
700	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
600	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
500	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
400	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
300	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
200	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
100	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4

TOTAL NUMBER OF OBSERVATIONS

951

USAF ETAC D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

CLASS: FALL 1955 FILE: AFB 21 STATION: 74-82 MONTH: SEP
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) ALL

		VISIBILITY - STATUTE MILES															
		2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4
1	10000	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
2	8000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
3	6000	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
4	4000	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
5	2000	81.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
6	1000	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
7	800	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
8	600	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
9	400	91.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
10	200	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
11	100	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
12	50	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
13	25	97.2	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
14	10	97.5	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
15	5	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
16	2	98.0	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
17	1	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
18	0.5	98.1	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
19	0.25	98.1	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
20	0.1	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21	0.05	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
22	0.025	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
23	0.01	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
24	0.005	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
25	0.0025	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
26	0.001	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
27	0.0005	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
28	0.00025	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29	0.0001	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30	0.00005	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
31	0.000025	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
32	0.00001	98.1	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7200

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14-5 HILL AFB, ILL. STATION NAME

14-87 YEAR

CCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CCC-6-CC

VISIBILITY STATUTE MILES	VISIBILITY STATUTE MILES															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
900	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
800	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
700	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
600	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
500	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
400	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
300	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
200	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
100	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
50	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
25	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
10	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
900	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
700	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
600	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
400	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
300	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
100	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
50	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
25	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
10	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

531

AFAL CLIMATOLOGY BRANCH
ETAC
AFAT OF SERVICE/MAC

CEILING VERSUS VISIBILITY

2-165 HILL AFB IL

74-87

CCF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

266-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
9000	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
8000	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
7000	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
6000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
5000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
4000	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
3000	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2000	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
1000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
800	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
600	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
400	91.1	91.4	91.9	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
300	91.2	91.7	92.2	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
200	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
100	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
80	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
60	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
40	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
20	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
10	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
ETAC
AFAT/AF SERVIC/AFAC

CEILING VERSUS VISIBILITY

2015 FALL AEE LT

74-21

CCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-14-55

		VISIBILITY, STATUTE MILES															
		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
100	100	69.6	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
90	90	73.1	73.9	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
80	80	74.4	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
70	70	75.7	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
60	60	76.8	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
50	50	77.8	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
40	40	79.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
30	30	80.5	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
20	20	82.2	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
10	10	83.1	83.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
0	0	85.6	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
100	100	91.2	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
90	90	92.2	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
80	80	93.1	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
70	70	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
60	60	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
50	50	96.2	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
40	40	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
30	30	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
20	20	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
10	10	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
100	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90	90	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80	80	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70	70	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60	60	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50	50	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
40	40	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30	30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20	20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

CLIMATOLOGY BRANCH
ETAC
AFWATER SERVICE/MAC

CEILING VERSUS VISIBILITY

24,555

HILL AFB, I.

STATION NAME

74-83

YEAR

CCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15,6-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	27	21	21	21	24	24	24	24	24	20
20000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
18000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
16000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
14000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
12000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
10000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
9000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
8000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
7000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
6000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
5000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
4000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
3000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1800	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1600	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1400	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1200	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
900	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
800	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
700	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
600	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
400	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
300	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
200	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
100	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT CLIMATE LOGIC BRANCH
AFM-TAC
HEADQUARTERS SERVICE/AMC

CEILING VERSUS VISIBILITY

10-15 HILL AFB, UT

74-83

GCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-6-2000

		VISIBILITY - STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	1000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
900	900	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
800	800	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
700	700	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
600	600	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
500	500	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
400	400	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
300	300	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
200	200	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
100	100	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
0	0	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
1000	1000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
900	900	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
800	800	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
700	700	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
600	600	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
500	500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400	400	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
300	300	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
200	200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1000	1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
900	900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
800	800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

530

U.S. AIR FORCE
 WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

20-5 HALL AFF-L

74-87

CCY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

20-5-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	15	10	7.5	5	2.5	2	1.5	1	0.75	0.5	0.25	0.15	0.1	0.05	0.01
10000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
9000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
8000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
7000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
6000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
5000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
4000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
3000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
2000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
800	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
700	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
600	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
400	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
300	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
200	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
100	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5

TOTAL NUMBER OF OBSERVATIONS

530

1
2
LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2045 HILL AFB, IL

74-81

CCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

VISIBILITY STATUTE MILES	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
1.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
2.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
3.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
3.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
4.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
4.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
5.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
5.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
6.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
6.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
7.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
7.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
8.0	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
8.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
9.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
9.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
10.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
10.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
11.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
11.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
12.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
12.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
13.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
13.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
14.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
14.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
15.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
15.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
16.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
16.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
17.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
17.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
18.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
18.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
19.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
19.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

7442

1
2J. J. CLIMATOLOGY BRANCH
ETAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

D-14-5 FILL AFF LI

74-87

ACV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

999-9999

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
21000	57.2	58.7	58.8	59.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
218000	61.7	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
216000	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
214000	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
212000	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
21000	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
29000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
28000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
27000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
26000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
25000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
24500	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
24000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
23500	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
23000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
22500	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
22000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
21800	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
21500	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
21200	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
21000	72.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
2900	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2800	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2700	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2600	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2500	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2400	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2300	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2200	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2100	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7
2000	88.1	93.6	95.3	95.9	96.6	96.8	97.2	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

999

USAF ETAC D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
 WAFB
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20145 HILL AFB, UT

74-63

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM 1550

		VISIBILITY STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	1000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
900	900	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
800	800	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
700	700	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
600	600	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
500	500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
400	400	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
300	300	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
200	200	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
100	100	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
0	0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 1550 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24-5 HALL AFB TX STATION NAME

74-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

61-68-6

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	54.1	54.7	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 18000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 16000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 14000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 10000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 8000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 7000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 6000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 5000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4500	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 3500	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 3000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 2500	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 2000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1800	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1600	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1400	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1200	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1000	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 900	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 800	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 700	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 600	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 500	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 400	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 300	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 200	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 100	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 0	55.1	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9

TOTAL NUMBER OF OBSERVATIONS

9CC

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2055 HILL AFB UT STATION NAME

74-83

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-1100

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	22	21	21	21	24	24	24	25	24	20
2000	52.1	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
1800	56.5	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
1600	57.0	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
1400	58.7	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
1200	60.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1000	64.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
800	65.6	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
600	68.0	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
400	72.1	74.7	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
200	71.6	77.4	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
0	75.9	80.6	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2000	82.6	84.3	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
1800	84.3	86.4	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1600	86.6	88.7	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1400	87.2	89.6	90.7	90.8	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1200	87.4	90.1	91.6	91.8	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1000	88.0	90.9	92.4	92.7	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
800	88.3	91.6	93.8	93.8	94.6	94.6	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0
600	88.4	92.0	94.0	94.4	95.2	95.2	95.6	95.6	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8
400	88.4	92.0	94.0	94.4	95.3	95.3	95.7	95.7	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9
200	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
0	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
2000	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
1800	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
1600	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
1400	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
1200	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
1000	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
800	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
600	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
400	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
200	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0
0	88.4	92.1	94.4	95.0	95.9	96.1	96.6	96.6	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1. J. PAL CLIMATOLOGY BRANCH
2. ETAC
3. WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

2. 2025 HILL AFB, UT 84005

74-82

AGV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1256-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2 20000	45.9	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2 18000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 16000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 14000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 12000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 10000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 9000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 8000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 7000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 6000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 5000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 4500	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 4000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 3500	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 3000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 2500	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 2000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 1800	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 1500	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 1200	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 1000	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 900	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 800	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 700	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 600	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 500	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 400	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 300	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 200	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 100	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2 0	45.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
1

FEDERAL CLIMATOLOGY BRANCH
OFFICE
HEADQUARTERS SERVICE/MAC

CEILING VERSUS VISIBILITY

24255 HILL AFB, UT

74-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15.5-17.0

ELEVATION FEET	VISIBILITY, STATUTE MILES															
	25	26	25	24	23	22	22	21	21	21	21	21	21	21	21	20
1000	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
900	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
800	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
700	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
600	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
500	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
400	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
300	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
200	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
100	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
0	52.2	54.0	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7

TOTAL NUMBER OF OBSERVATIONS

9CC

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

TABLE 1111 APR 61

74-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
≥ 10000	55.2	55.5	56.7	56.7	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 4000	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 3000	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 2000	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1500	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1000	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 800	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 600	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 400	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 300	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 200	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 100	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 0	55.3	55.6	56.8	56.8	57.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9

TOTAL NUMBER OF OBSERVATIONS

7255

1
2FEDERAL CLIMATOLOGY BRANCH
ETAC
ATLANTIC SERVICE/MAC

CEILING VERSUS VISIBILITY

CAGE HALL AFB TX

14-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DEC-77

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	46.2	47.1	47.2	47.8	47.8	48.2	48.2	48.2	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.8
900	42.2	42.8	42.8	42.9	43.5	43.5	43.9	43.9	43.9	44.0	44.2	44.3	44.3	44.3	44.3	44.5
800	42.6	42.5	42.2	42.3	42.7	42.7	43.3	43.3	43.3	43.4	43.6	43.7	43.7	43.7	43.7	43.8
700	42.6	42.5	42.2	42.3	42.7	42.7	43.3	43.3	43.3	43.4	43.6	43.7	43.7	43.7	43.7	43.8
600	47.2	47.1	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
300	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
200	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
100	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
50	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
25	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
10	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
1000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
900	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
800	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
700	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
600	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
400	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
300	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
200	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
100	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
50	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
25	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
10	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
5	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1

TOTAL NUMBER OF OBSERVATIONS

530

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME HILL AFB MI

74-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ACC-CBCC

VISIBILITY STATUTE MILES	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	41.4	45.1	46.9	48.2	48.5	48.9	49.9	50.0	50.1	50.3	50.5	50.5	50.6	50.6	50.6	51.3
900	41.2	44.8	46.7	47.0	47.2	47.4	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.0	49.0	49.6
800	40.5	44.1	46.0	46.3	46.5	46.7	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.3	48.3	48.9
700	39.4	43.0	44.9	45.2	45.4	45.6	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.2	47.2	47.8
600	38.1	41.7	43.6	43.9	44.1	44.3	45.3	45.4	45.5	45.6	45.7	45.8	45.9	45.9	45.9	46.5
500	36.8	40.4	42.3	42.6	42.8	43.0	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.6	44.6	45.2
400	35.5	39.1	41.0	41.3	41.5	41.7	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.3	43.3	43.9
300	34.2	37.8	39.7	40.0	40.2	40.4	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.0	42.0	42.6
200	32.9	36.5	38.4	38.7	38.9	39.1	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.7	40.7	41.3
100	31.6	35.2	37.1	37.4	37.6	37.8	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.4	39.4	40.0
50	30.3	33.9	35.8	36.1	36.3	36.5	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.1	38.1	38.7
25	29.0	32.6	34.5	34.8	35.0	35.2	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.8	36.8	37.4
15	27.7	31.3	33.2	33.5	33.7	33.9	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.5	35.5	36.1
10	26.4	30.0	31.9	32.2	32.4	32.6	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.2	34.2	34.8
5	25.1	28.7	30.6	30.9	31.1	31.3	32.3	32.4	32.5	32.6	32.7	32.8	32.9	32.9	32.9	33.5
2	23.8	27.4	29.3	29.6	29.8	30.0	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.6	31.6	32.2
1	22.5	26.1	28.0	28.3	28.5	28.7	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.3	30.3	30.9
0	21.2	24.8	26.7	27.0	27.2	27.4	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.0	29.0	29.6

TOTAL NUMBER OF OBSERVATIONS

930

1. CLIMATOLOGY BRANCH
2. AFETAC
3. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. NAME HILL AFB, TX

2. YEAR 79-81

3. DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4. SCF-11100

		VISIBILITY: STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1	1000	3.7	38.7	39.8	40.4	40.6	40.9	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.8	42.6
2	900	5.2	31.4	42.5	43.2	44.0	43.7	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.6	45.4
3	800	41.1	43.1	44.2	44.9	45.2	45.4	45.8	46.1	46.1	46.1	46.1	46.1	46.2	46.3	46.6	47.1
4	700	41.5	43.7	44.7	45.5	45.7	45.9	46.3	46.7	46.7	46.7	46.7	46.7	46.8	46.9	47.1	47.6
5	600	42.6	44.7	45.8	46.6	46.8	47.1	47.4	47.7	47.7	47.7	47.7	47.7	47.8	48.0	48.2	48.7
6	500	45.2	47.4	48.7	49.5	49.9	50.1	51.5	50.9	50.9	50.9	50.9	50.9	51.0	51.1	51.3	51.8
7	400	45.7	47.5	48.2	49.5	49.9	50.1	51.5	50.9	50.9	50.9	50.9	50.9	51.0	51.1	51.3	51.8
8	300	45.7	47.5	48.2	49.5	49.9	50.1	51.5	50.9	50.9	50.9	50.9	50.9	51.0	51.1	51.3	51.8
9	200	45.7	47.5	48.2	49.5	49.9	50.1	51.5	50.9	50.9	50.9	50.9	50.9	51.0	51.1	51.3	51.8
10	100	45.7	47.5	48.2	49.5	49.9	50.1	51.5	50.9	50.9	50.9	50.9	50.9	51.0	51.1	51.3	51.8
11	0	45.7	47.5	48.2	49.5	49.9	50.1	51.5	50.9	50.9	50.9	50.9	50.9	51.0	51.1	51.3	51.8
12	1000	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
13	900	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
14	800	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
15	700	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
16	600	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
17	500	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
18	400	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
19	300	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
20	200	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
21	100	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
22	0	65.5	69.2	71.3	72.3	72.8	73.0	73.4	73.9	73.9	73.9	74.0	74.0	74.0	74.3	74.5	75.6
23	1000	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
24	900	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
25	800	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
26	700	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
27	600	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
28	500	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
29	400	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
30	300	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
31	200	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
32	100	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6
33	0	72.5	77.7	80.8	82.2	83.1	83.4	84.2	84.6	84.6	84.7	84.8	84.8	85.3	85.5	85.9	86.6

TOTAL NUMBER OF OBSERVATIONS

930

LOCAL CLIMATOLOGY BRANCH
 SAFETYAC
 WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

2005 BILL ABEL - CIVIL NAME

74-63

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

11-1-1966

		VISIBILITY - STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	33.0	36.6	38.9	39.9	40.7	41.0	41.6	41.8	42.0	42.8	43.0	43.0	43.0	43.0	43.0	43.2
900	FEET	37.2	41.1	42.8	43.5	44.7	45.1	45.7	45.9	46.1	46.9	47.1	47.1	47.1	47.1	47.2	47.3
800	FEET	41.5	41.5	44.7	44.9	45.7	46.5	47.1	47.3	47.5	48.3	48.5	48.5	48.5	48.5	48.6	48.7
700	FEET	45.8	42.1	44.6	45.7	46.5	47.2	47.8	48.1	48.3	49.0	49.2	49.2	49.2	49.2	49.4	49.5
600	FEET	47.4	43.7	46.2	47.3	48.1	48.8	49.5	49.7	49.9	50.6	50.9	50.9	50.9	50.9	51.0	51.1
500	FEET	48.2	46.1	48.8	49.9	50.6	51.4	52.0	52.3	52.5	53.2	53.4	53.4	53.4	53.4	53.5	53.7
400	FEET	48.5	48.8	51.5	52.6	53.3	54.1	54.7	54.9	55.2	55.9	56.1	56.1	56.1	56.1	56.2	56.3
300	FEET	48.5	51.7	54.4	55.5	56.2	57.0	57.4	57.8	58.1	58.8	59.0	59.0	59.0	59.0	59.1	59.2
200	FEET	48.5	53.9	56.6	57.6	58.4	59.1	59.8	60.0	60.2	61.0	61.2	61.3	61.3	61.3	61.4	61.5
100	FEET	52.5	57.2	60.0	61.1	61.8	62.6	63.2	63.4	63.7	64.8	64.8	64.7	64.7	64.7	64.9	65.1
0	FEET	57.0	60.8	63.5	64.7	65.5	66.2	66.9	67.1	67.3	68.1	68.3	68.4	68.4	68.4	68.6	68.7
0	FEET	61.6	65.8	68.7	70.0	70.9	71.6	72.4	72.6	72.8	73.8	74.1	74.2	74.2	74.2	74.4	74.5
0	FEET	63.7	68.1	71.5	72.8	73.8	74.5	75.3	75.7	75.9	76.9	77.2	77.3	77.3	77.3	77.5	77.6
0	FEET	65.7	70.5	74.1	75.4	76.7	77.4	78.1	78.7	78.9	80.0	80.3	80.4	80.4	80.4	80.6	80.8
0	FEET	66.2	71.3	74.9	76.6	77.8	78.6	79.5	79.9	80.1	81.2	81.6	81.7	81.7	81.7	81.9	82.0
0	FEET	67.5	73.2	77.2	79.1	80.5	81.4	82.3	82.7	82.9	84.0	84.4	84.5	84.5	84.5	84.7	84.8
0	FEET	68.4	74.3	78.5	80.5	82.0	83.0	84.0	84.4	84.6	85.7	86.1	86.2	86.2	86.2	86.5	86.6
0	FEET	69.4	74.5	79.1	81.3	82.7	83.7	84.7	85.4	86.2	87.3	87.7	87.8	87.8	87.8	88.1	88.2
0	FEET	69.5	74.6	79.2	81.4	83.1	84.1	85.5	86.1	86.3	87.4	87.8	88.0	88.0	88.0	88.2	88.3
0	FEET	69.6	74.7	79.5	81.6	83.4	84.4	85.8	86.7	87.0	88.2	88.6	88.7	88.7	88.7	88.9	89.0
0	FEET	69.8	74.7	79.5	81.6	83.5	84.5	86.0	86.9	87.2	88.4	89.1	89.2	89.4	89.4	89.6	89.7
0	FEET	69.8	74.9	79.9	82.2	84.1	85.1	86.8	87.8	88.2	89.5	90.5	90.6	90.8	90.8	91.0	91.1
0	FEET	69.8	74.9	79.9	82.2	84.1	85.1	86.8	88.0	88.3	89.6	90.6	90.8	90.9	90.9	91.1	91.2
0	FEET	69.8	74.9	79.9	82.2	84.1	85.1	86.9	88.1	88.4	90.0	91.4	91.5	91.6	91.6	91.8	91.9
0	FEET	69.8	74.9	79.9	82.2	84.1	85.1	86.9	88.2	88.5	90.1	91.5	91.6	91.7	91.7	91.9	92.0
0	FEET	69.8	74.9	79.9	82.2	84.2	85.2	87.1	88.5	88.8	90.6	92.2	92.3	92.4	92.4	92.6	92.9
0	FEET	69.8	74.9	79.9	82.2	84.2	85.2	87.1	88.5	88.9	91.2	92.8	93.0	93.4	93.7	94.1	94.5
0	FEET	69.8	74.9	79.9	82.2	84.2	85.2	87.2	88.6	89.0	91.7	93.8	94.2	95.4	96.1	96.8	97.6
0	FEET	69.8	74.9	79.9	82.2	84.2	85.2	87.2	88.6	89.0	91.7	93.8	94.4	95.7	96.5	97.6	99.4
0	FEET	69.8	74.9	79.9	82.2	84.2	85.2	87.2	88.6	89.0	91.7	93.8	94.4	95.7	96.5	97.6	99.4

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
1
FEDERAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-755 HILL AFB LI

74-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	31.6	33.4	36.3	37.6	38.5	39.4	40.4	41.0	41.1	41.5	41.8	41.8	42.0	42.0	42.0	42.2
2 20000	32.0	36.1	39.2	40.5	41.5	42.4	43.4	44.0	44.1	44.5	44.8	44.8	45.1	45.1	45.1	45.2
2 18000	33.5	37.2	40.4	41.7	42.7	43.5	44.6	45.2	45.3	45.7	46.0	46.0	46.2	46.2	46.2	46.5
2 16000	34.5	37.7	41.0	42.3	43.2	44.1	45.2	45.7	45.8	46.2	46.6	46.6	46.8	46.8	46.8	47.0
2 14000	35.5	39.2	42.8	44.1	45.1	45.9	47.0	47.5	47.6	48.1	48.4	48.4	48.6	48.6	48.6	48.8
2 12000	36.5	40.3	45.5	46.8	47.8	48.7	49.8	50.2	50.3	50.9	51.3	51.6	51.8	51.8	51.8	52.0
2 10000	37.5	41.5	48.1	49.4	50.4	51.3	52.4	52.8	53.0	53.6	54.0	54.2	54.6	54.6	54.6	54.8
2 8000	38.5	42.7	50.7	52.0	53.0	53.9	55.0	55.4	55.6	56.2	56.6	56.8	57.1	57.1	57.1	57.3
2 6000	39.5	43.9	53.3	54.6	55.6	56.5	57.6	58.0	58.2	58.8	59.2	59.4	60.0	60.0	60.0	60.2
2 4000	40.5	45.1	55.9	57.2	58.2	59.1	60.2	60.6	60.8	61.4	61.8	62.0	62.6	62.6	62.6	62.8
2 3000	41.5	46.3	58.5	59.8	60.8	61.7	62.8	63.2	63.4	64.0	64.4	64.6	65.2	65.2	65.2	65.4
2 2000	42.5	47.5	61.1	62.4	63.4	64.3	65.4	65.8	66.0	66.6	67.0	67.2	67.8	67.8	67.8	68.0
2 1800	43.5	48.7	63.7	65.0	66.0	66.9	68.0	68.4	68.6	69.2	69.6	69.8	70.4	70.4	70.4	70.6
2 1600	44.5	49.9	66.3	67.6	68.6	69.5	70.6	71.0	71.2	71.8	72.2	72.4	73.0	73.0	73.0	73.2
2 1400	45.5	51.1	68.9	70.2	71.2	72.1	73.2	73.6	73.8	74.4	74.8	75.0	75.6	75.6	75.6	75.8
2 1200	46.5	52.3	71.5	72.8	73.8	74.7	75.8	76.2	76.4	77.0	77.4	77.6	78.2	78.2	78.2	78.4
2 1000	47.5	53.5	74.1	75.4	76.4	77.3	78.4	78.8	79.0	79.6	80.0	80.2	80.8	80.8	80.8	81.0
2 800	48.5	54.7	76.7	78.0	79.0	80.0	81.0	81.4	81.6	82.2	82.6	82.8	83.4	83.4	83.4	83.6
2 600	49.5	55.9	79.3	80.6	81.6	82.5	83.6	84.0	84.2	84.8	85.2	85.4	86.0	86.0	86.0	86.2
2 400	50.5	57.1	81.9	83.2	84.2	85.1	86.2	86.6	86.8	87.4	87.8	88.0	88.6	88.6	88.6	88.8
2 300	51.5	58.3	84.5	85.8	86.8	87.7	88.8	89.2	89.4	90.0	90.4	90.6	91.2	91.2	91.2	91.4
2 200	52.5	59.5	87.1	88.4	89.4	90.3	91.4	91.8	92.0	92.6	93.0	93.2	93.8	93.8	93.8	94.0
2 180	53.5	60.7	89.7	91.0	92.0	92.9	94.0	94.4	94.6	95.2	95.6	95.8	96.4	96.4	96.4	96.6
2 160	54.5	61.9	92.3	93.6	94.6	95.5	96.6	97.0	97.2	97.8	98.2	98.4	99.0	99.0	99.0	99.2
2 140	55.5	63.1	94.9	96.2	97.2	98.1	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 120	56.5	64.3	97.5	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 100	57.5	65.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 0	58.5	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 910

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

LOCAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2005 HILL AFB LT STATION NAME

74-83 YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

18-0-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	27	21	21	21	2	2	2	2510	2	20
NO FLYING 20000	37.5	35.1	36.5	39.7	41.1	41.1	41.3	43.4	41.4	41.5	41.7	41.7	41.7	41.7	41.8	42.3
2 18000	37.5	37.2	41.5	41.7	41.1	41.1	41.3	43.4	41.4	41.5	41.7	41.7	41.7	41.7	41.8	42.3
2 16000	37.5	38.2	41.7	42.9	44.3	44.3	44.5	44.6	44.6	44.7	44.9	44.9	44.9	44.9	45.1	45.5
2 14000	34.7	38.4	41.9	43.1	44.5	44.5	44.7	44.8	44.8	44.9	45.2	45.2	45.2	45.2	45.3	45.7
2 12000	26.3	40.8	44.5	45.7	47.1	47.1	47.3	47.4	47.4	47.5	47.7	47.7	47.7	47.7	47.8	48.3
2 10000	15.0	43.5	47.8	49.1	50.4	50.4	50.6	50.8	50.8	50.9	51.1	51.1	51.1	51.1	51.2	51.6
2 9000	42.8	47.6	51.8	53.0	54.4	54.4	54.6	54.7	54.7	54.8	55.1	55.1	55.1	55.1	55.2	55.6
2 8000	48.4	49.2	53.4	54.6	56.0	56.0	56.2	56.3	56.3	56.5	56.7	56.7	56.7	56.7	56.8	57.2
2 7000	47.3	52.7	56.9	58.1	59.6	59.6	59.8	59.9	59.9	60.0	60.2	60.2	60.2	60.2	60.3	60.8
2 6000	45.8	54.6	58.8	60.0	61.5	61.5	61.7	61.8	61.8	61.9	62.2	62.2	62.2	62.2	62.3	62.7
2 5000	54.4	59.5	63.7	64.9	66.5	66.5	66.7	66.8	66.8	66.9	67.1	67.1	67.1	67.1	67.2	67.6
2 4500	55.6	65.1	69.5	70.8	72.3	72.3	72.5	72.6	72.6	72.7	72.9	72.9	72.9	72.9	73.0	73.4
2 4000	62.2	68.3	73.1	74.4	75.9	75.9	76.1	76.2	76.2	76.3	76.6	76.6	76.6	76.6	76.7	77.1
2 3500	64.3	70.5	75.6	77.1	78.6	78.6	78.8	79.0	79.0	79.1	79.4	79.4	79.4	79.4	79.5	79.9
2 3000	64.6	71.1	76.1	77.7	79.2	79.2	79.5	79.7	79.7	79.8	80.0	80.0	80.0	80.0	80.1	80.5
2 2500	66.7	73.1	78.7	80.4	82.2	82.2	82.5	82.7	82.7	82.8	83.0	83.0	83.0	83.0	83.1	83.5
2 2000	66.7	73.6	79.4	81.2	83.1	83.1	83.4	83.7	83.7	83.8	84.0	84.0	84.0	84.0	84.1	84.5
2 1800	66.7	74.8	81.5	83.4	85.7	85.7	86.1	86.6	86.6	86.8	87.0	87.0	87.0	87.0	87.1	87.5
2 1600	66.8	74.9	81.6	83.5	85.8	85.8	86.2	86.7	86.7	86.9	87.1	87.1	87.1	87.1	87.2	87.6
2 1400	66.8	75.5	82.6	84.5	86.8	86.8	87.6	88.2	88.2	88.6	88.9	88.9	88.9	88.9	89.0	89.4
2 1200	66.8	75.5	82.7	84.7	87.0	87.1	87.8	88.4	88.4	88.8	89.2	89.2	89.4	89.4	89.5	89.9
2 1000	66.8	75.6	83.0	85.2	87.5	87.6	88.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.4
2 900	66.8	75.6	83.0	85.3	87.6	87.7	88.5	89.0	89.1	89.7	90.1	90.2	90.3	90.3	90.4	90.9
2 800	66.8	75.6	83.0	85.3	87.8	88.1	88.8	89.5	89.5	90.0	90.3	90.3	90.3	90.3	90.4	90.9
2 700	66.8	75.6	83.1	85.4	88.1	88.2	89.1	89.8	89.9	90.9	91.7	91.8	92.2	92.2	92.3	92.7
2 600	66.8	75.6	83.1	85.4	88.1	88.2	89.1	89.8	89.9	90.1	91.1	91.1	92.3	92.3	92.7	93.2
2 500	66.8	75.6	83.2	85.5	88.2	88.4	89.4	90.1	90.5	91.6	93.1	93.2	93.5	93.5	93.7	94.1
2 400	66.8	75.6	83.2	85.5	88.2	88.4	89.4	90.1	90.5	91.6	93.1	93.2	93.5	93.5	93.7	94.1
2 300	66.8	75.6	83.2	85.5	88.3	88.5	89.6	90.4	91.0	92.4	94.2	94.4	95.1	95.1	95.3	95.7
2 200	66.8	75.6	83.2	85.5	88.3	88.5	89.6	90.4	91.0	92.4	94.2	94.4	95.1	95.1	95.3	95.7
2 100	66.8	75.6	83.2	85.5	88.3	88.5	89.6	90.4	91.0	92.4	94.2	94.4	95.1	95.1	95.3	95.7
2 0	66.8	75.6	83.2	85.5	88.3	88.5	89.6	90.4	91.0	92.4	94.2	94.4	95.1	95.1	95.3	95.7

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2055 HALL AFB TX

74-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21,62300

		VISIBILITY - STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1	1000	35.4	41.9	42.5	44.5	44.9	44.9	45.1	45.4	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.9
2	900	31.2	42.7	45.8	46.3	46.8	46.8	46.9	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.7
3	800	27.5	43.6	45.7	46.7	47.1	47.1	47.2	47.5	47.5	47.8	47.8	47.8	47.8	47.8	47.8	48.1
4	700	28.1	43.5	46.2	47.2	47.6	47.6	47.7	48.2	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.7
5	600	27.9	44.4	47.1	48.1	48.5	48.5	48.6	49.0	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.6
6	500	26.2	46.3	49.0	50.0	50.4	50.4	50.5	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.6
7	400	24.4	50.8	53.4	54.4	54.8	54.8	54.9	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	56.0
8	300	25.6	51.9	54.6	55.6	56.0	56.0	56.1	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	57.2
9	200	24.8	54.4	57.1	58.1	58.5	58.5	58.7	59.1	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.8
10	100	25.2	56.3	59.6	60.5	61.0	61.0	61.2	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.3
11	50	24.0	61.8	64.5	65.5	65.9	65.9	66.1	66.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	67.2
12	25	25.0	64.0	67.6	71.6	72.0	72.0	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.8
13	10	24.1	72.3	75.3	76.2	76.7	76.7	77.2	77.6	77.6	78.0	78.0	78.0	78.1	78.1	78.2	78.5
14	5	25.3	73.9	77.2	78.3	78.7	78.7	79.2	79.8	79.8	80.2	80.2	80.2	80.3	80.3	80.8	80.8
15	2	26.6	75.5	78.9	80.1	80.5	80.5	81.1	81.6	81.6	82.0	82.0	82.0	82.2	82.2	82.3	82.6
16	1	27.6	77.2	80.8	82.2	82.7	82.8	83.3	83.9	83.9	84.3	84.3	84.3	84.4	84.4	84.5	84.8
17	0.5	28.4	79.8	82.7	84.1	84.7	84.8	85.4	85.9	85.9	86.3	86.3	86.3	86.5	86.5	86.6	86.9
18	0.2	29.4	79.4	83.9	85.8	86.5	86.7	87.2	88.0	88.0	88.4	88.4	88.4	88.5	88.5	88.6	88.9
19	0.1	29.4	79.4	84.1	85.6	86.7	86.9	87.4	88.2	88.2	88.6	88.6	88.6	88.7	88.7	88.8	89.1
20	0.05	29.5	79.5	84.8	86.5	87.5	87.7	88.5	89.8	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.3
21	0.02	29.6	80.0	84.9	87.0	88.1	88.4	89.1	90.0	90.0	90.4	90.4	90.4	90.5	90.5	90.6	91.0
22	0.01	29.6	80.0	84.9	87.1	88.5	88.8	89.7	90.6	90.6	91.4	91.4	91.5	91.6	91.6	91.7	92.0
23	0.005	29.6	80.0	84.9	87.1	88.5	88.9	89.8	90.8	90.9	91.6	91.6	91.8	91.9	91.9	92.0	92.4
24	0.002	29.6	80.0	85.1	87.2	88.6	89.0	89.9	91.0	91.2	91.6	91.6	92.5	92.5	92.6	92.7	93.0
25	0.001	29.6	80.0	85.2	87.3	88.7	89.1	90.0	91.1	91.3	92.0	92.0	92.8	92.8	92.9	93.0	93.3
26	0.0005	29.6	80.0	85.3	87.5	89.0	89.5	90.0	91.4	91.9	92.7	92.7	93.5	93.5	93.7	93.8	94.1
27	0.0002	29.6	80.1	85.3	87.5	89.0	89.5	90.5	91.7	92.0	93.2	94.3	94.3	94.4	94.4	94.5	94.8
28	0.0001	29.6	80.1	85.3	87.5	89.0	89.5	90.8	92.0	92.5	94.1	95.4	95.4	95.6	95.6	95.7	96.1
29	0.00005	29.6	80.1	85.3	87.5	89.0	89.5	90.8	92.0	92.5	94.1	95.5	95.5	96.0	96.0	96.3	97.2
30	0.00002	29.6	80.1	85.3	87.5	89.0	89.5	90.8	92.0	92.5	94.1	95.5	95.5	96.0	96.0	96.3	97.6
31	0.00001	29.6	80.1	85.3	87.5	89.0	89.5	90.8	92.0	92.5	94.1	95.5	95.5	96.0	96.0	96.3	97.6

TOTAL NUMBER OF OBSERVATIONS

930

1
2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFAT-54 SERVICE/MAC

CEILING VERSUS VISIBILITY

2-14-5 HILL AFB LT

74-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥7	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO DATA	2.4	40.6	42.4	43.1	43.7	43.9	44.3	44.5	44.6	44.8	45.0	45.0	45.1	45.1	45.1	45.5
≥2000	2.9	43.2	45.1	45.9	46.5	46.7	47.1	47.3	47.3	47.6	47.8	47.8	47.9	47.9	47.9	48.2
≥1800	2.7	44.0	46.0	46.7	47.3	47.5	47.9	48.1	48.2	48.4	48.6	48.6	48.7	48.7	48.8	49.1
≥1600	2.4	44.4	46.7	47.1	47.7	47.9	48.3	48.5	48.6	48.8	49.0	49.0	49.1	49.1	49.2	49.5
≥1400	4.2	45.6	47.6	48.4	49.0	49.2	49.6	49.8	49.9	50.1	50.3	50.3	50.4	50.4	50.4	50.8
≥1200	4.2	47.8	49.9	50.7	51.3	51.6	52.0	52.2	52.2	52.5	52.7	52.7	52.8	52.8	52.8	53.2
≥1000	4.6	51.4	53.5	54.3	54.9	55.2	55.6	55.8	55.8	56.1	56.3	56.3	56.4	56.4	56.5	56.8
≥900	4.7	52.6	54.9	55.7	56.4	56.6	57.0	57.2	57.2	57.5	57.7	57.7	57.8	57.8	57.9	58.2
≥800	5.4	55.4	57.5	58.3	59.0	59.2	59.6	59.9	59.9	60.1	60.3	60.4	60.5	60.5	60.6	60.9
≥700	5.7	58.7	60.3	61.1	61.8	62.0	62.4	62.6	62.7	62.9	63.1	63.2	63.3	63.3	63.4	63.7
≥600	5.1	62.4	64.7	65.5	66.2	66.4	66.8	67.1	67.1	67.4	67.6	67.6	67.7	67.7	67.8	68.2
≥500	6.6	68.3	70.7	71.6	72.3	72.5	73.0	73.2	73.2	73.5	73.8	73.8	73.9	74.0	74.0	74.4
≥450	6.5	71.5	74.2	75.1	75.8	76.1	76.6	76.8	76.9	77.2	77.4	77.5	77.6	77.6	77.7	78.1
≥400	6.2	74.5	76.4	77.3	78.1	78.4	78.9	79.0	79.3	79.6	79.9	79.9	80.1	80.1	80.2	80.6
≥350	6.9	74.7	77.7	78.7	79.6	79.8	80.4	80.7	80.8	81.1	81.4	81.4	81.5	81.6	81.7	82.1
≥300	6.5	76.5	79.8	81.0	82.1	82.4	83.0	83.3	83.4	83.7	84.0	84.0	84.2	84.2	84.3	84.7
≥250	6.0	77.5	81.0	82.2	83.4	83.8	84.5	84.8	84.9	85.2	85.5	85.6	85.7	85.8	85.9	86.2
≥200	6.7	78.1	82.0	83.4	84.9	85.2	86.1	86.6	86.6	87.1	87.4	87.5	87.6	87.7	87.8	88.1
≥180	6.7	78.1	82.0	83.4	84.9	85.2	86.1	86.6	86.6	87.1	87.4	87.5	87.6	87.7	87.8	88.1
≥160	6.7	78.1	82.0	83.4	84.9	85.2	86.1	86.6	86.6	87.1	87.4	87.5	87.6	87.7	87.8	88.1
≥140	6.7	78.1	82.0	83.4	84.9	85.2	86.1	86.6	86.6	87.1	87.4	87.5	87.6	87.7	87.8	88.1
≥120	6.7	78.1	82.0	83.4	84.9	85.2	86.1	86.6	86.6	87.1	87.4	87.5	87.6	87.7	87.8	88.1
≥100	6.9	78.6	82.8	84.4	86.0	86.4	87.6	88.3	88.4	89.0	89.4	89.4	89.6	89.7	89.8	90.2
≥90	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥80	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥70	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥60	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥50	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥40	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥30	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥20	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥10	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4
≥0	6.9	78.7	82.0	84.7	86.4	86.8	88.1	89.0	89.2	89.9	90.5	90.6	90.8	90.9	91.0	91.4

TOTAL NUMBER OF OBSERVATIONS

7440

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24-55 HILL AFB IL 74-84 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

ALL

		VISIBILITY STATUTE MILES															
		25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
2	10000	59.3	58.6	57.1	59.3	59.4	59.5	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0
2	9000	61.4	62.7	61.2	61.4	61.6	61.6	61.8	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.2
2	8000	63.1	63.9	63.9	64.1	64.3	64.4	64.5	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.9	64.9
2	7000	62.8	61.8	64.2	64.4	64.6	64.7	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.2	65.2	65.2
2	6000	63.8	65.2	65.7	65.9	66.1	66.1	66.3	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.7
2	5000	66.5	67.5	68.4	68.7	68.9	68.9	69.1	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.5
2	4000	71.1	71.7	72.2	72.4	72.6	72.7	72.8	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.3	73.3
2	3000	73.1	72.6	73.2	73.4	73.6	73.7	73.8	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.3
2	2000	74.2	75.5	76.5	76.7	76.9	77.1	77.1	77.3	77.3	77.5	77.5	77.5	77.5	77.6	77.6	77.7
2	1500	76.1	77.8	78.4	78.6	78.8	78.9	79.1	79.2	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.6
2	1000	79.6	80.5	81.2	81.4	81.7	81.8	81.9	82.1	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.5
2	800	82.2	84.4	85.2	85.5	85.8	85.9	86.1	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.7
2	600	87.8	86.2	87.1	87.4	87.7	87.8	88.0	88.2	88.2	88.4	88.4	88.4	88.5	88.5	88.5	88.6
2	400	88.1	87.7	88.7	88.1	88.5	88.5	88.7	88.9	89.0	89.1	89.2	89.2	89.3	89.3	89.3	89.4
2	300	88.5	88.4	89.5	89.8	90.2	90.3	90.6	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.2	91.2
2	200	88.3	89.5	90.8	91.3	91.7	91.9	92.1	92.4	92.4	92.6	92.7	92.7	92.8	92.8	92.8	92.9
2	150	86.6	91.1	91.6	92.1	92.6	92.8	93.1	93.3	93.4	93.6	93.7	93.7	93.7	93.7	93.8	93.8
2	100	86.8	90.1	92.1	92.7	93.4	93.5	93.9	94.2	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8
2	80	86.8	90.5	92.2	92.8	93.5	93.6	94.0	94.3	94.4	94.6	94.7	94.7	94.8	94.8	94.8	94.9
2	60	86.9	90.8	92.5	93.2	93.9	94.1	94.5	94.8	95.0	95.3	95.4	95.4	95.5	95.5	95.5	95.6
2	40	86.9	90.8	92.6	93.3	94.1	94.3	94.8	95.1	95.2	95.5	95.7	95.7	95.8	95.8	95.8	95.9
2	30	86.6	90.9	92.8	93.6	94.4	94.6	95.2	95.7	95.8	96.2	96.4	96.4	96.5	96.6	96.6	96.7
2	20	87.0	90.9	92.8	93.6	94.4	94.6	95.3	95.7	95.9	96.3	96.5	96.5	96.7	96.7	96.7	96.8
2	10	87.0	90.5	92.9	93.7	94.5	94.7	95.4	95.8	96.0	96.6	96.8	96.8	96.9	97.0	97.1	97.2
2	5	87.1	91.0	92.9	93.7	94.6	94.8	95.5	96.1	96.2	96.7	97.0	97.1	97.3	97.3	97.3	97.4
2	0	87.1	91.0	92.9	93.7	94.7	94.9	95.6	96.2	96.3	96.9	97.3	97.3	97.5	97.5	97.6	97.7
2	500	87.1	91.0	93.0	93.8	94.7	94.9	95.7	96.3	96.5	97.2	97.6	97.7	98.0	98.0	98.1	98.2
2	400	87.1	91.0	93.0	93.8	94.7	94.9	95.7	96.3	96.5	97.2	97.6	97.7	98.0	98.0	98.1	98.2
2	300	87.1	91.0	93.0	93.8	94.7	94.9	95.7	96.3	96.5	97.2	97.6	97.7	98.0	98.0	98.1	98.2
2	200	87.1	91.0	93.0	93.8	94.7	94.9	95.7	96.3	96.5	97.2	97.6	97.7	98.0	98.0	98.1	98.2
2	100	87.1	91.0	93.0	93.8	94.7	94.9	95.7	96.3	96.5	97.2	97.6	97.7	98.0	98.0	98.1	98.2
2	0	87.1	91.0	93.0	93.8	94.7	94.9	95.7	96.3	96.5	97.2	97.6	97.7	98.0	98.0	98.1	98.2

TOTAL NUMBER OF OBSERVATIONS 87665

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AT RAYN STATION, IN AREA OF CLEAR, SCATTERED,
BROKEN, CLOUDY, & O CLOUDS WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 4/10

CLOUDY WAS CONVERTED TO 6/10

O CLOUDS WAS CONVERTED TO 10/10

SKY COVER

JAN

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01-02	15.6			15.6						14.9	53.9	7.2	924
	03-05	15.5			13.9						16.1	54.6	7.3	922
	06-08	9.7			14.9						20.8	51.3	7.6	917
	09-11	2.9			16.8						27.3	52.9	8.3	926
	12-14	3.3			19.5						25.4	51.7	8.1	928
	15-17	2.4			18.9						24.5	52.3	8.2	926
	18-20	6.3			2.6						27.0	50.1	7.7	926
	21-23	11.7			17.1						18.3	52.9	7.4	923
TOTALS		8.4			17.7						21.5	52.5	7.7	7392

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

10795	HILL AFR LT	75-94	FEB
STATION	SEA IN NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	24.4			30.2						17.8	37.6	6.0	837
	03-05	22.7			14.6						20.4	40.3	6.4	843
	06-08	12.7			22.7						25.4	39.3	6.9	843
	09-11	7.5			10.5						32.3	40.7	7.6	832
	12-14	5.5			11.3						30.3	44.4	7.8	824
	15-17	5.4			10.7						27.3	47.7	7.8	822
	18-20	7.7			25.1						27.8	39.4	7.2	834
	21-23	16.0			25.0						20.1	38.0	6.4	836
TOTALS		12.9			21.1						25.2	40.9	7.0	6671

USAFETAC FORM 85-64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAR
MONTA

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	19.6			22.7						19.5	38.2	6.3	927
	03-05	18.6			21.1						22.1	38.2	6.4	926
	06-08	8.5			24.1						25.1	42.3	7.2	929
	09-11	4.5			24.3						26.5	44.7	7.6	930
	12-14	3.4			21.1						32.4	43.1	7.9	930
	15-17	2.5			22.2						32.7	42.7	7.9	930
	18-20	4.3			29.5						24.9	41.3	7.3	930
	21-23	14.9			26.1						27.4	38.7	6.5	926
TOTALS		9.5			23.9						25.5	41.2	7.1	7423

SKY COVER

75-84

APR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	24.3			26.1						18.8	30.3	5.5	900
	03-05	27.9			25.2					27.0	30.9	5.9	900	
	06-08	17.6			25.9					26.1	35.4	6.7	900	
	09-11	9.4			24.4					27.2	38.9	7.1	900	
	12-14	3.4			30.1					29.8	36.7	7.3	900	
	15-17	7.3			30.4					29.3	36.9	7.2	900	
	18-20	5.1			30.1					27.7	37.1	7.1	900	
	21-23	21.3			25.1					10.8	33.8	5.9	900	
TOTALS		17.6			27.2						25.2	35.0	6.6	7200

SKY COVER

 MAY
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	24.3			26.8						21.6	27.3	5.5	930
	03-05	19.9			25.6						22.2	30.3	5.9	930
	06-08	17.9			29.0						29.8	30.4	6.6	930
	09-11	9.3			31.4						30.8	30.5	6.7	930
	12-14	5.1			33.7						32.2	29.1	6.8	930
	15-17	3.6			31.1						34.7	30.7	7.1	929
	18-20	3.7			34.5						29.9	31.9	6.9	927
	21-23	14.8			35.9						24.2	25.1	5.8	927
TOTALS		11.2			31.3						28.2	29.4	6.4	7433

SKY COVER

JUN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	36.2			37.9						27.0	10.0	3.8	900
	03-05	31.7			38.1						21.3	9.6	4.0	900
	06-08	27.8			43.1						22.1	14.0	4.7	900
	09-11	19.6			44.4						21.9	14.1	4.7	900
	12-14	17.3			52.6						21.4	13.7	4.9	900
	15-17	11.2			50.8						25.0	13.0	5.1	900
	18-20	11.7			44.0						37.2	14.1	5.5	900
	21-23	20.1			42.9						27.2	9.8	4.7	900
TOTALS		27.4			43.7						23.6	12.3	4.7	7200

SKY COVER

74-21

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	42.7			29.5						19.7	8.8	3.5	930
	03-05	33.8			38.1						27.8	7.4	3.8	930
	06-08	23.4			46.9						22.3	7.4	4.2	930
	09-11	23.4			49.8						19.8	7.7	4.7	930
	12-14	17.7			63.4						18.1	5.8	4.1	930
	15-17	8.9			62.5						23.7	5.7	4.5	930
	18-20	13.5			51.3						27.0	8.2	4.8	930
	21-23	28.5			4.1						22.7	8.7	4.1	930
TOTALS		23.3			47.7						21.7	7.4	4.1	7440

FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

74-23

AUG

STATION

2. A. ON NAME

PERIOD

MONTH

MONTH	HOURS LIST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	39.5			31.4						19.7	10.4	3.7	930
	03-05	36.7			34.3						20.2	9.5	3.9	930
	06-08	24.0			44.7						23.1	8.2	4.2	930
	09-11	23.7			46.5						22.9	7.0	4.2	930
	12-14	15.6			56.1						20.6	7.6	4.3	930
	15-17	12.4			55.7						24.0	8.0	4.6	929
	18-20	15.6			47.0						27.5	9.9	4.9	930
	21-23	34.2			33.5						22.5	9.8	4.7	930
TOTALS		25.1			43.7						22.4	8.8	4.2	7439

FORM 0-9-3 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

74-03

558

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	50.9			2.6						16.0	12.6	3.3	900
	03-05	49.1			24.3					17.3	14.0	3.7	900	
	06-08	32.2			32.9					27.7	12.0	4.3	900	
	09-11	29.6			38.8					22.4	9.2	4.1	900	
	12-14	23.3			46.7					20.6	9.4	4.2	900	
	15-17	21.4			40.9					21.1	11.6	4.4	900	
	18-20	29.0			39.7					19.4	11.9	4.1	900	
	21-23	42.0			22.0					18.8	11.2	3.5	900	
TOTALS	30.3			33.9						19.3	11.5	3.9	7200	

21

1

74-23

CCT

STATION

5' A? - LNY NAME

PERIOD

MONTH

100

15

FORM
AL 44

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

74-21

NCV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	29.9			23.1						19.4	28.6	5.3	899
	03-05	29.7			22.4						17.2	31.4	5.4	897
	06-08	16.9			27.6						22.9	32.6	6.2	898
	09-11	10.7			27.3						24.4	35.6	6.8	900
	12-14	8.1			27.7						27.9	37.7	7.7	900
	15-17	7.3			30.9						27.8	33.9	6.8	899
	18-20	16.3			29.7						27.8	31.2	6.1	900
	21-23	26.2			26.4						17.8	29.6	5.3	900
TOTALS		17.9			26.8						22.8	32.5	6.1	7193

2

!

74-23

DEC
MONTH

1

1

FORM 9-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SKY COVER

72-755 HILL AFB UT

74-04

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	8.4			17.7						21.5	52.5	7.7	7392
FEB		12.2			21.1						25.2	40.9	7.7	6671
MAR		9.5			23.9						25.5	41.2	7.1	7428
APR		12.5			27.2						25.2	35.7	6.6	7200
MAY		11.2			31.3						28.2	29.4	6.4	7433
JUN		25.4			43.7						23.5	12.3	4.7	7200
JUL		23.2			47.7						21.7	7.4	4.1	7440
AUG		25.1			43.7						22.4	8.8	4.2	7439
SEP		35.2			33.9						19.3	11.5	3.9	7200
OCT		30.5			30.0						25.7	19.3	4.6	7440
NOV		17.9			26.8						22.8	32.5	6.1	7193
DEC		13.2			19.5						27.3	43.3	7.0	7357
TOTALS		18.9			30.5						27.2	27.8	5.9	87393

USAFETAC

FORM
AA 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

ALTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
105755 HILL AFB UT
STATION

STATION NAME

41-84

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105						.1	.4	.1					.3
95						2.5	9.3	4.6	.2				1.4
90					.2	9.6	41.0	28.8	2.9				6.9
85					2.8	25.5	74.9	62.4	15.4	.2			15.1
80				.2	11.8	44.4	91.6	84.1	36.6	1.4			22.5
75				3.5	27.4	62.8	97.9	93.2	57.0	9.0			29.2
70			.8	11.7	44.5	77.0	99.5	97.2	74.0	23.9	.2		35.7
65		.2	3.8	23.5	62.3	88.1	99.8	99.2	85.1	42.2	1.9		42.2
60		1.3	10.6	38.7	74.3	95.6	100.0	99.8	92.5	59.6	8.7	.2	48.4
55	.2	4.8	20.3	56.7	85.8	98.7		100.0	97.0	74.3	20.8	1.3	55.0
50	3.4	13.0	36.2	73.3	94.5	99.6			99.3	85.2	38.6	5.3	62.3
45	11.6	25.6	54.6	86.7	97.9	100.0			99.9	94.2	54.5	16.1	70.1
40	26.2	46.7	73.1	95.2	99.6					98.2	71.7	34.4	78.6
35	46.0	66.0	87.7	99.4	100.0				100.0	99.4	85.7	56.9	86.7
30	66.7	82.4	96.3	100.0						99.8	95.6	78.5	93.2
25	82.7	93.3	99.4							100.0	98.8	90.8	97.1
20	91.7	98.5	99.9								99.8	96.7	98.9
15	96.7	99.7	100.0									98.7	99.6
10	99.1	100.0									100.0	99.8	99.9
5	99.9											99.8	100.0
0	100.0											100.0	100.0
MEAN	33.1	38.5	46.1	56.4	67.2	77.1	87.7	85.4	74.9	61.3	45.8	35.9	59.1
S D	9.392	9.390	9.908	10.142	10.611	9.928	5.864	6.579	9.532	10.220	9.887	8.683	20.802
TOTAL OBS	1333	1187	1302	1260	1302	1260	1302	1302	1260	1333	1290	1333	15464

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
125755 HILL AFB UT

DAILY TEMPERATURES

41-84

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
74						2.0	12.7	6.4	.3				.1
75					.4	10.7	46.1	35.5	5.0	.1			1.8
76					4.1	26.7	82.4	73.7	19.3	.7			8.2
77			.1	1.5	16.8	51.8	96.3	91.0	44.7	3.4			25.4
78			.7	6.8	39.1	74.9	99.7	97.0	68.8	18.1	.4		33.7
79	.1	.4	2.4	19.1	62.2	92.0	100.0	99.5	85.4	41.2	3.8	.5	42.1
80	1.3	3.8	11.6	40.9	83.2	98.9		99.9	94.1	67.1	15.4	2.5	51.5
81	7.5	14.0	30.0	64.7	94.4	100.0		100.0	99.3	86.2	36.2	9.3	61.7
82	13.4	20.3	39.2	76.0	97.1				99.8	91.0	46.3	13.1	66.3
83	23.2	33.7	57.1	91.6	99.4				99.9	96.9	61.1	26.1	74.0
84	39.1	54.7	77.6	98.9	99.9				100.0	99.5	81.0	48.7	83.2
85	58.6	72.6	90.2	99.8	100.0					100.0	92.5	72.0	90.4
86	74.0	85.2	96.9	100.0							97.5	87.5	95.0
87	86.5	94.1	99.2								99.4	94.8	97.8
88	93.5	97.5	99.9								99.8	98.2	99.1
89	97.2	98.9	100.0									99.5	99.6
90	99.5	99.9									99.9	99.9	99.9
91	99.8	100.0									100.0	100.0	100.0
92	100.0												100.0
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	20.9	24.7	30.2	38.1	46.9	54.8	63.9	62.2	52.8	42.6	31.3	23.9	41.0
S.D.	8.161	9.244	7.944	7.029	7.546	7.333	6.999	5.453	7.340	7.134	6.033	6.388	16.426
TOTAL OBS	1353	1187	1302	1260	1302	1260	1284	1282	1230	1296	1260	1302	15298

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC
135755 HILL AFB UT

DAILY TEMPERATURES

41-84

YEARS

STATION

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85						.3	1.7	.6					.2
80						4.2	25.4	12.9	.5				3.6
75					1.2	16.3	64.6	52.3	7.8				11.9
70				.1	7.5	36.9	90.7	82.7	28.0	.5			20.5
65				1.8	20.9	58.3	98.1	93.4	52.4	4.8			27.4
60			.5	8.1	42.5	77.2	99.8	97.9	73.3	21.8	.2		35.0
55		.2	2.5	20.8	63.1	91.1	100.0	99.5	86.3	41.7	2.1		42.2
50		1.7	9.7	39.3	79.3	97.6		100.0	94.1	63.0	10.9	.7	49.6
45	2.1	7.7	24.2	62.1	91.1	99.7			98.4	79.9	27.3	2.8	57.9
40	9.3	20.5	45.2	81.8	97.6	100.0			99.8	92.6	49.5	12.4	67.3
35	24.6	40.3	67.4	94.7	99.6				100.0	98.1	67.9	29.3	76.7
30	43.4	62.0	84.9	99.5	100.0					99.6	84.8	54.2	85.6
25	63.1	78.6	94.5	100.0						100.0	95.1	77.0	92.3
20	79.5	89.7	98.5								98.6	90.2	96.3
15	89.6	97.1	99.9								99.7	96.1	98.5
10	95.5	99.0	100.0								99.8	98.8	99.4
5	98.4	99.7									99.9	99.7	99.8
0	99.7	100.0									100.0	99.8	100.0
-5	99.9											100.0	100.0
-10	100.0												100.0
MEAN	27.2	31.8	38.4	47.4	57.2	66.1	76.0	74.0	64.0	52.1	38.8	30.1	50.3
S.D.	9.560	9.049	8.500	8.177	8.718	8.252	4.765	5.542	8.091	8.318	8.639	8.241	18.426
TOTAL OBS	1333	1197	1302	1260	1302	1260	1284	1262	1230	1296	1260	1302	15298

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
CRAFETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

12-755
STATION

HILL AFB LI

STATION NAME

41-84

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41											69	65	56	
42		47	40	62	76	85	90	98	97	92	87	64	51	98
43		34	55	73	79	98	90	98	94	87	79	62	44	98
44		38	49	55	70	83	94	93	92	88	79	58	48	98
45		5	52	62	76	78	96	96	93	89	78	66	51	96
46		47					90	97	96	85	67	53	58	
47		48	55	64	71	87	98	96	92	91	77	68	46	96
48		52	55	64	78	96	92	95	94	92	87	59	48	95
49		4	43	67	78	84	98	97	96	88	75	60	52	97
50		5	62	62	74	92	92	95	93	93	77	60	49	95
51		48	61	63	70	85	86	97	93	85	73	58	48	97
52		42	43	55	79	84	92	95	92	89	77	56	45	95
53		54	62	71	78	77	94	97	92	89	81	68	46	97
54		50	56	64	75	91	96	100	99	89	87	67	53	100
55		44	44	65	75	84	95	98	95	93	79	59	55	98
56		53	49	72	72	89	98	97	95	91	82	63	50	98
57		44	58	69	68	79	91	94	94	89	83	53	52	94
58		46	65	60	74	91	99	95	97	96	81	70	55	99
59		56	50	63	81	95	95	98	95	92	75	62	51	98
60		46	50	70	78	89	92	99	94	85	78	64	52	99
61		44	59	66	73	84	98	96	93	84	73	54	49	98
62		50	55	67	83	82	93	95	96	87	79	63	50	96
63		51	61	69	75	81	94	99	97	97	88	61	38	99
64		42	44	64	70	84	90	97	93	87	77	62	56	97
65		49	56	69	73	79	87	92	92	78	78	67	49	92
66		45	45	68	72	85	92	96	93	87	70	65	52	96
67		48	56	64	67	87	89	97	98	93	80	66	45	98
68		45	59	70	76	84	97	100	93	89	75	62	50	100
69		52	44	73	76	85	91	100	101	89	71	64	59	100
70		55	56	59	72	84	94	94	97	90	78	59	49	97
MEAN														
S.D.														
TOTAL OBS														

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF STAC FORM 0-88-5 (OLA)

* AT LEAST ONE DAY LESS THAN 24 OBS

~~# (AT LEAST ONE DAY LESS THAN 24 OBS)~~

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

12-755
STATION

HILL AFB TX

STATION NAME

41-84

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
42	-8	-6	12	29	32	41	58	48	36	21	12	11	-8
43	-1	6	14	12	31	36	46	43	43	28	22	14	-1
44	3	11	15	27	32	42	54	51	40	40	19	15	3
45	16	14	10	18	35	36	49	52	37	27	11	3	3
46	6					46	55	55	37	28	20	2	
47	-1	17	25	28	41	40	55	48	37	23	12	8	-1
48	6	1	3	21	32	43*	56*	58					
49	-5	-1	23	12	37	41	52	55	40*	28	27	10	-6
50	-1	-2	17	26	31	37	49	52	36	35	16	21	-5
51	-5	-5	14	30	23	40	52	52	39	20	13	-2	-5
52	-4	3	9	27	39	45	53	51	44	23	6	10	-4
53	18	11	17	25	33	44	58	53	47	32	18	13	11
54	15	16	19	31	32	37	51	49	36	20	21	6	6
55		-2	10	12	31	39	50	59	41	32	-6	13	-6
56	6	-1	11	24	32	45	56	49	39	23	12	2	-1
57		18	23	31	35	40	52	50	38	21	14	10	2
58	10	20	17	31	41	46	56	55	34	20	12	16	10
59	3	5	21	28	35	46	51	52	36	22	19	13	3
60	4	6	12	27	32	41	61	45	49	26	20	15	4
61	1	13	19	30	33	51	58	56	35	28	21	-2	-2
62	-1	-1	15	30	34	38	52	48	38	32	19	6	-2
63	-13	17	17	26	36	42	54	53	52	23	16	9	-13
64	2	3	5	29	29	44	57	39	39	22	21	3	2
65	11	11	13	29	24	45	53	42	28	36	18	11	11
66	4	5	3	22	32	40	54	49	45	27	19	11	3
67	1	15	21	29	26	48	61	62	42	29	15	3	3
68	3	17	25	29	32	40	50	47	35	21	11	7	7
69	7	9	9	29	39	42	57	56	43	25	17	2	2
70	-1	20	22	20	33	44	50	57	34	21	25	3	-1
MEAN													
SD													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 8-66 (OEA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

N (AT LEAST ONE DAY LESS THAN 24 OBS)

AD A147 184

HILL AFB UTAH REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS (RU..U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 84
USAFFTAC/DS 84/029 SRI AD-E850 746 F/G 4/2

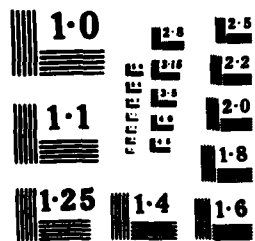
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725755 HILL AFB UT 75-84 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point	
46/ 47			.1	.2													6	6			
46/ 45			.1	.1													9	9	1		
44/ 43			.1	.6													9	9	2		
42/ 41			.4	.5	.1												18	18	1	3	
40/ 39		.3	.9	.4													15	15	5		
38/ 37		.2	1.5	.3													19	19	12		
36/ 35	.3	2.6	3.0	1.1													65	65	28	3	
34/ 33	1.2	3.3	2.3	2.9	.1												91	91	78	25	
32/ 31	.6	3.5	7.1	1.8													122	122	59	53	
30/ 29	.6	2.8	3.1	.4													65	65	80	38	
28/ 27	1.3	4.6	3.1	1.6													101	101	120	59	
26/ 25	.3	4.8	4.3	.1													89	89	96	61	
24/ 23	.5	2.3	2.4	.2													50	50	102	34	
22/ 21	.4	3.5	1.4														50	50	73	94	
20/ 19	.2	2.6	1.4	.1													40	40	40	121	
18/ 17	.6	3.7	1.8														57	57	57	78	
16/ 15	.2	2.9	1.0														38	38	39	58	
14/ 13		2.0	.9														26	26	41	64	
12/ 11		.1	.1														11	11	26	42	
10/ 9		1.0	.1														20	20	18	37	
8/ 7		.9	.2														10	10	18	26	
6/ 5		.1															1	1	10	21	
4/ 3		.0	.1														8	8	2	26	
2/ 1	.1	1.4															14	14	10	22	
0/ -1		.1															1	1	11	20	
-2/ -3																			1	7	
-4/ -5																				12	
-6/ -7																				8	
-8/ -9																				4	
-10/-11																				2	
-12/-13																				2	
-14/-15																				6	
-16/-17																				6	
Element (H)	E ₁		E ₂		E ₃		E ₄		E ₅		E ₆		E ₇		E ₈		E ₉		E ₁₀		
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					
Mean No. of Hours with Temperature																					
		≤ 0 F		≤ 32 F		≤ 60 F		≤ 70 F		≤ 80 F		≤ 90 F		Total							

PSYCHROMETRIC SUMMARY

YEARS



PAGE : 0000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NO. AA
0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725755 HILL AFB UT 75-24 JAN
STATION MONTH YEARS

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL O.S./W.S.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point							
40/ 47					.1													1	1								
46/ 45					.1													2	2								
44/ 43			.1	.6	.3	.1												11	11								
42/ 41			.3	.6	.4	.1												14	14								
40/ 39		.1	1.1	.6	.2													19	19	4							
38/ 37	.1	.6	1.0	1.2	.1													28	28	20	1						
36/ 35		.8	2.4	1.1	.3													70	70	26	2						
34/ 33	1.5	1.8	2.5	1.2														84	84	74	28						
32/ 31	.6	4.3	4.5	1.5														102	102	52	6						
30/ 29	.4	1.7	2.2	.9														48	48	45	41						
28/ 27	.8	6.1	3.2	1.3														106	106	55	41						
26/ 25	.5	5.2	4.7	.2														95	95	113	58						
24/ 23	.4	2.8	2.9	.1														58	58	91	37						
22/ 21	.3	3.2	1.8															50	50	76	78						
20/ 19	.1	3.2	1.7															47	47	58	112						
18/ 17	.4	2.8	.9															34	34	47	78						
16/ 15	.5	2.6	1.0															38	38	40	72						
14/ 13	.1	2.9	1.3															45	45	33	47						
12/ 11		2.0	.1															20	20	35	59						
10/ 9	.1	1.6	.1															17	17	39	37						
8/ 7		1.4	.2															15	15	16	32						
6/ 5			.1															1	1	12	27						
4/ 3			.8															7	7	5	20						
2/ 1			1.4															13	13	6	22						
0/ -1	.2	.3																5	5	15	27						
-2/ -3																				1	13						
-4/ -5																						7					
-6/ -7																											
-8/ -9																											
-10/-11																											
-12/-13																											
-14/-15																											
-16/-17																											
-18/-19																											
Element (X)	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		No. Obs.
Rel. Hum.																											Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 44 0-26-5 (OL A) REVISED SEPTEMBER 1965 OF THE FORM 44-0-26-5

2

YEAR:

JAN
MONTH

PAGE 2 2300-6500
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA)

USAPETAC

2.

2.

HILL AFB UT

75-84

YEAR

1000

PAGE 2

0600-0800
HOURS (L. S. T.)

[illegible]

2.

026755 STATION HILL APR 07 STATION NAME 75-84 YEARS 1944
 PAGE 2 7900-1100

PAGE 2 2900-1100
HONOLULU (L. A. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 2 ~~1200-1000~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
TOTAL	2.0	31.0	30.6	28.7	26.5	24.7	..												93C	C 3"	93L	93C										

USAFETAC
FORM
NO. 64
0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2.

PSYCHROMETRIC SUMMARY

MONTI

1500-1700
HOURS (L. S. T.)

FORM NO. 44
0-26-5 (OL A)
REVISED 10-1-68

USAFETAC

PSYCHROMETRIC SUMMARY

76E
STATION

FILE 192-11

STATION NAME

7C-24

YEARS

MONTH

PAGE 2 1500-1710
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
71.1AL	1.2	1.7	2.3	2.8	3.4	4.0	4.6	5.2	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	10.6	9.1	9.7	9.3	9.1														

PSYCHROMETRIC SUMMARY

12 75R HILL AFB UT
STATION STATION NAME

75-84

YEAR

100

PAGE 1 1600-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73475E
STATION

HILL AFA LT

STATION NAME

75-84

YEARS

NATIONAL ASSOCIATION OF BROADCASTERS

PAGE 2

1966-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	6.4	47.7	36.3	22.0	3.9	.6												97.	97	93.6	63 F			

2

2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point												
54 / 51																		1														
52 / 50																		5														
50 / 49																		14	14													
48 / 47																		26	26													
46 / 45																		42	42	3												
44 / 43																		109	109	5												
42 / 41																		162	162	32												
40 / 39																		216	216	56												
38 / 37																		319	319	136												
36 / 35																		580	580	318												
34 / 33																		692	692	633												
32 / 31																		913	913	598												
30 / 29																		585	585	726												
28 / 27																		738	738	790												
26 / 25																		635	635	859												
24 / 23																		379	379	756												
22 / 21																		414	414	572												
20 / 19																		399	399	463												
18 / 17																		296	296	357												
16 / 15																		255	255	305												
14 / 13																		184	184	273												
12 / 11																		129	129	175												
10 / 9																		116	116	163												
8 / 7																		69	69	118												
6 / 5																		32	32	75												
4 / 3																		50	50	90												
2 / 1																		39	39	51												
0 / 0																		21	21	40												
-2 / -1																		1	1	11												
-4 / -3																																
-6 / -5																																
-8 / -7																																
-10 / -9																																
-12 / -11																																
-14 / -13																																
Element (X)	Σ H'				Σ H				Σ				Σ ₂				No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.																		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total								
Dry Bulb																																
Wet Bulb																																
Dew Point																																

USAFETAC FORS 0.26.5 (OL A) SERVED THE VARIOUS MEMBERS OF THE FORS ARE OBLIGATE

20

75-84

WILL AFF LT

STATION NAME

YEARS

PAGE 2

HOURS (L. S. T.)

USAFETAC
FOCUS
AS 44
0-26-5 (OL A)
SERVED SEVERAL HUNDREDS OF THE POLICE AND COMMUNIT

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2.

HILL 458 21

STATION NAME

75-84

VEAD

FER
MAY 14

PAGE 2

2000-0200
HOURS (L, S, T,)

USAFETAC FORM 026-5 (OL A) SERVICE RELIGIOUS EXPENSES OF THE FORS ARE OBSOLETE

21

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FEB
MONTH

~~SECRET-ORCON~~
HOMER (L. A. T.)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

775755 HILL AFB TX
STATION

75-84

EEB
MONTANA

PAGE 2 ~~CONFIDENTIAL~~
NOV 8 1964

[illegible]

PSYCHROMETRIC SUMMARY

1975	HILL AFB TX	75-94	FEF
STATION	STATION NAME	YEARS	MONTH

PAGE 127-145
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

775755
STATION

HILL AFB UT

STATION NAME

75-34

YEAR

FFB
MONTH

PAGE 2

~~1280-1400~~
~~1948-1951~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
- / -																								
- / -1																								
- / -1																								
- / -1																								
TOTAL	2.2	15.73		226.1	17.3	6.5	3.4	1.1	.5	.4	.1							849	849	849	849			
			</																					

2.

2.

75-84

FE

15CC-17CC
MAY 1961 (C. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
-1/-7																					2				
-2/-9																					2				
-3/-11																					2				
-4/-13																					1				
TOTAL	26.51	5.72	6.92	5.91	14.07	7.9	3.9	2.2	.6	.4	.7							849	849	849	849				

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

USAFETAC
FOIbbs
AR 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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75-14

HILL OFB JT

STATION NAME

YEARS

FEA
MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

USAFETAC
FOCUS
0-26-5 (OLA)
SERVING AIR FORCE MEMBERS OF THE FUTURE

PSYCHROMETRIC SUMMARY

FREE
MONTH

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
51 / 55																		2	7						
54 / 57																		3	7						
57 / 59																		4	4						
57 / 46																		1	1						
47 / 47																		2	2						
47 / 45																		19	12						
46 / 40																		28	24	2					
41 / 41																		51	51	3					
37 / 39																		40	40	14					
37 / 37																		64	64	50	8				
37 / 35																		72	72	79	21				
37 / 33																		69	69	91	23				
37 / 31																		105	105	104	69				
37 / 29																		55	55	84	50				
37 / 27																		52	52	98	89				
37 / 25																		52	62	57	76				
36 / 23																		26	25	65	52				
32 / 21																		42	42	53	70				
31 / 19																		61	61	41	99				
31 / 17																		23	23	62	52				
30 / 15																		11	11	21	57				
30 / 13																		6	6	10	48				
30 / 11																		2	2	6	45				
30 / 9																		3	3	3	42				
30 / 7																		2	2	2	19				
30 / 5																		2	2	4	9				
30 / 3																		2	2	3	5				
30 / 1																				2	3				
30 / -																					1				
-1 / -3																						1			
-3 / -5																						3			
-5 / -7																						3			
-7 / -9																						3			
-9 / -11																						3			
-11 / -13																						1			
Element (X)	Σ X'	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED FEBRUARY 1975 (THIS FORM AND ORIGINATOR'S INSTRUCTIONS ARE OBSOLETE)

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P9

STATION

HILL AFB UT

75-84

FEB

PAGE 2

2100-210

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STATION NAME

YEAR

FREE
MONTH

ALL

ALL
HOURS (L. S. T.)

0-26-S (OLA) STYLED NUMEROUS SECTIONS OF THIS FORM ARE OBLIQUE

USAFETAC

PSYCHROMETRIC SUMMARY

795758
STATION

WILL AFF UT

75-84

MAR
MONTANA

YK 401

PAGE 1

2000-0200
NOV 11 1999

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
1 / 59																		2	2					
2 / 57																		4	4					
3 / 55																		6	6					
4 / 53																		8	8					
5 / 51																		10	10					
6 / 49																		12	12					
7 / 47																		14	14					
8 / 45																		16	16					
9 / 43																		18	18					
10 / 41																		20	20					
11 / 39																		22	22					
12 / 37																		24	24					
13 / 35																		26	26					
14 / 33																		28	28					
15 / 31																		30	30					
16 / 29																		32	32					
17 / 27																		34	34					
18 / 25																		36	36					
19 / 23																		38	38					
20 / 21																		40	40					
21 / 19																		42	42					
22 / 17																		44	44					
23 / 15																		46	46					
24 / 13																		48	48					
25 / 11																		50	50					
26 / 9																		52	52					
27 / 7																		54	54					
28 / 5																		56	56					
29 / 3																		58	58					
30 / 1																		60	60					
TOTAL	4.31	7.83	2.32	5.61	1.7	3.4	2.0	.5	.3									930	930	930				
																					930		930	
Element (X)	2x	2x	X	X	No. Obs.				Mean No. of Hours with Temperature															
Ref. Num.	4093862	66162	69.625.023	930	± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total							
Dry Bulb	1243374	23278	15.8	7.524	930			28.5										93						
Wet Bulb	946199	29117	31.3	6.102	930			51.9										93						
Dew Point	897660	22620	29.3	7.128	930			82.0										93						

PSYCHROMETRIC SUMMARY

PAGE : 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DATE 20 FEB TIME 1110 STATION WILLAFIELD STATION NAME WILLAFIELD 76-84 YEARS 76 MAG 1110 MONTH 11 PAGE 1 HOURS (L.S.T.) 1110

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
1178	HILL STREET	15-64	MAN

PAGE 5 292-1123
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point														
101.1	2.3	2.5	2.4	2.4	2.1	2.7	2.7	4.2	1.7	.6	.1							97.0	92.0	92.0														

2

22

10

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6

2

2.

STATION NAME

YEARS

MAR
MONTH

PAGE : 1500-1700
HOURS (L. B. Y.)

USAFETAC
FORM
FEB 64
0-20-5 (OL A)
SEVERAL REVISIONS CONSISTENT OF THIS ORDER MAY OCCUR 112

USAFETAC

2.

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USAFETAC FORM 0-26-5 (OLA) SERVED SERVICE PERSONNEL OF THIS FORM ARE ABOUT 11

2.

MAG
MONTH

1866-2000
HOURS (L.S.T.)

[illegible]

USAFETAC **AGCS** **0-24-5 (OLA)** **SERVED PREVIOUS MEMBERS OF THE FOLDS ARE OBSOLETE**

PSYCHROMETRIC SUMMARY

75955	HILL AFB TX	75-84		MAR
STATION	STATION NAME		YEARS	MONTH

PAGE 2 1866-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70.7 & L	1.5	1.4	1.2	1.0	0.8	0.6	0.5	0.4	0.4	0.4	0.4							93C	93L	93L	93C			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

125755 HALL AFB TX 75-84 MAR
STATION STATION NAME YEARS MONTH
PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
50 / 59								.1										2							
51 / 57								.3	.1									4							
52 / 55								.7	.9	.4	.1							9							
53 / 53						.4	1.0	.4										17							
54 / 51						.4	1.1	.2										19							
55 / 49						.4	.8											15							
56 / 47				.4	1.6	1.3	.2											23			4				
57 / 45			.4	1.7	1.9	1.6												29			3				
58 / 43		.6	1.2	1.8	2.4	.7												64			11				
59 / 41		.8	1.7	3.2	2.4	.6												93			22				
60 / 39	.2	1.5	1.7	4.6	1.9	.8												99			76				
61 / 37		2.7	2.3	3.1	2.5	.2												104			95				
62 / 35	.4	2.8	4.7	2.8	.8													100			107				
63 / 33	.6	2.5	3.1	4.2	.6													103			106				
64 / 31	.6	2.4	4.7	2.8														91			113				
65 / 29	.1	.8	2.4	1.1														40			102				
66 / 27		1.3	1.6	.2														29			82				
67 / 25	.7	1.2	.8	.6														27			66				
68 / 23	.3	1.1	.1															14			36				
69 / 21	.5	.3	.7															8			18				
70 / 19		.4	.1															5			5				
71 / 17		.2	.4															6			6				
72 / 15		.1	.4															5			3				
73 / 13		.3																3			1				
74 / 11		.1																1			4				
75 / 9																									
76 / 7																									
77 / 5																									
78 / 3																									
79 / 1																									
TOTAL	2.9	18.4	26.2	26.2	14.5	6.7	3.4	1.2	.5	.1								930		930	930				
																						930		930	
Element (X)	Σ X ²		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature							Total									
Rel. Hum.	1908820		58358		62.7	6.171	930		+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total										
Dry Bulb	1387781		1867		37.3	7.666	930			22.9					93										
Wet Bulb	1004342		30.00		32.3	5.935	930			29.5					93										
Dew Point	619867		2.121		24.9	6.989	930			82.0					93										

USAFETAC FORM 34 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

72675R
STATION

HILL AFFAIR

75-84

MAE
MONTH

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/																					19			
/																					20			
- / -																					4			
TOTAL	2.5	16.5	25.7	22.0	16.2	8.7	4.5	2.0	1.0	.6	.2	.1						7439	7439	7439				
																		7439	7439					
Element (X)	Z _{H'}	Z _H	Z	P _s	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	29387905	450789	60.686.686	7439	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total													
Dry Bulb	1147682	283896	38.2	8.779	7439		182.8	1.5			744													
Wet Bulb	8266800	243790	32.7	6.320	7439		395.9				744													
Dew Point	4909267	183929	29.7	7.257	7439		2.8	689.0			744													

PSYCHROMETRIC SUMMARY

75-95	HILL AFB TX	75-84	APR
STATION	STATION NAME	YEAR	MONTH

PAGE : 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

2-755
STATION

ALL SET

STATION NAME

75-04

YEARS

APR
MONTH

PAGE 2

2000-6210
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

7-5-58 HILL AFB TX
STATION

75-84

AP 5

PAGE : 2300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
44 / 63									.1	.3								4	4																
46 / 61								.1	.2	.1								3	3																
48 / 59							.1	.3	.7	.1								6	5																
50 / 57						.1	.3	.7	.1									14	14																
52 / 55					.2	.4	.7	1.2	.4									29	29																
54 / 53			.3	.5	.3	.9	.6	1.2	.7									39	39																
56 / 51				.3	1.0	.6	1.1											28	28																
58 / 49			.4	.8	.8	1.7	1.1	.7										45	45	5															
60 / 47			1.7	.3	2.4	2.4	.7											68	69	9															
62 / 45		.8	1.6	1.3	1.7	1.6	1.1											71	71	39															
64 / 43		.7	1.2	2.0	2.0	1.4	.1											83	83	50															
66 / 41	.1	.4	1.7	4.6	1.2	1.2												78	78	65															
68 / 39		.4	2.2	3.2	2.3	.7	.1											81	81	98															
70 / 37		.7	2.7	2.4	.7	.7												51	51	175															
72 / 35	.1	1.1	1.7	1.9	1.6	.4												64	64	110															
74 / 33	.4	1.5	1.6	3.7	1.6	.2												84	84	99															
76 / 31		2.1	2.7	3.6	.9													83	83	72															
78 / 29	1.1	1.2	1.6	1.4														44	44	74															
80 / 27	.4	.7	1.1	.3														19	19	97															
82 / 25																		2	2	59															
84 / 23		.1																1	1	24															
86 / 21		.3																3	3	4															
88 / 19																		2	2	3															
90 / 17																				2															
92 / 15																																			
94 / 13																																			
96 / 11																																			
98 / 9																																			
100 / 7																																			
102 / 5																																			
104 / 3																																			
TOTAL	2.2	9.92	6.7	26.0	16.9	12.0	5.6	4.8	2.1	.6								900	900	900															
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	3137289		32861		56.587		165		900		≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb	1578467		36973		41.1		8.191		900				15.4										90												
Wet Bulb	1115020		31194		34.7		6.135		900				32.5										90												
Dew Point	642573		23007		25.6		7.782		900				74.7										90												

PSYCHROMETRIC SUMMARY

72-755
STATION

WILL AFF BY

75-84

APR
MONTH

YEAR

PAGE

~~265C-6A~~
~~HOUS 11-8-71~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point				
51									.4									6	6						
52									.1	.1								4	4						
53								.1	.7	.1								4	9						
54							.7	.6	.7	.1								15	15						
55					.3	.7	.7	1.1	.2									27	27						
56				.4	.2	1.3	.7	1.6	.4									27	27						
57			.1	.1	.7	1.3	1.2	.7	.1									36	36						
58			.4	1.1	1.2	1.8	1.4	.1										51	51	61					
59			.2	.6	1.0	1.6	1.3											51	61	9					
60		.6	1.1	2.2	2.1	1.4	.7											75	75	35					
61	.9	1.7	2.7	1.8	2.4	.2												84	84	64	9				
62	.3	2.0	3.6	1.8	3.2	.2												83	83	71	21				
63	.4	2.0	2.8	1.6	.6													72	72	93	24				
64	.6	2.4	1.9	1.4	.4													51	61	106	19				
65	.7	2.0	1.7	.7	.1													41	51	94	39				
66	.1	1.7	2.0	3.5	1.1	.1												71	71	110	51				
67	.1	1.6	1.7	3.8	.7													72	72	71	179				
68	.7	1.7	1.4	1.1														60	90	70	71				
69	.7	.6	.6	.6														23	27	72	95				
70	.5		.6															7	7	67	97				
71			.1															1	1	21	56				
72																		3	3	8	66				
73																				3	76				
74		.1																1	1		45				
75																				1	67				
76																					24				
77																					18				
78																					8				
79																					9				
80																					1				
81																					2				
TOTAL	1.3	8.92	125.8	16.7	12.9	7.1	3.8	2.1	.8									900	900	900	900				

Element (X)	Σx'	Σx	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3285651	304777	56.1	76.829	900							
Dry Bulb	1677936	37298	41.4	8.319	900		19.7					97
Wet Bulb	11313.6	31406	34.9	6.273	900		31.2					90
Dew Point	650975	23181	25.8	7.744	900		73.7					92

PSYCHROMETRIC SUMMARY

STATION HILL BFB 17

75-24

APP

NOTES

PAGE 5

1956-110
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73758
STATION

ALL AFF LI

75-84

APR
1971

PAGE 7

2920-1100
HOURS (C.S.T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

WILL BEC LT

STATION NAME

75-84

YEARS

AFN
NORTH

PAGE 4

126-415
HOURS (L. S. T.)

0.20-5 (OL A)

PSYCHROMETRIC SUMMARY

PAGE 1200-1400

[illegible]

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE : 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM NO. 2-65 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

HILL AF8 LT

STATION NAME

15-84

VEARS

APR
MONTH

PAGE 2 ~~1500-1700~~
HOURS (C.T.T.)

[illegible]

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
77 / 77											.1							1	1					
76 / 77																		2	2					
74 / 77												.1	.2	.1				5	5					
73 / 77									.1	.2	.3	.1	.1					9	9					
71 / 69									.1	.2	.6	.4	.3					15	15					
69 / 67									.4	.4	1.2	.4						23	23					
66 / 65								.1	.4	1.3	.6	.1						25	25					
64 / 64								.2	.6	1.6	.7							29	29					
63 / 61							.1	.1	1.7	.2	.7							36	36					
61 / 59					.1	.2	.3	1.6	1.1	.5	.2							42	42					
59 / 57					.1	.4	1.4	1.8	1.0	.4								47	47	3				
56 / 55				.1	.4	1.1	2.0	1.8	.6	.2								58	58	1				
52 / 52			.1	.1	.6	1.1	1.8	1.2	.8									57	57	5	1			
51 / 51			.4	.4	1.1	1.6	1.5	1.1	.2									66	66	16				
49 / 45		.1	.2	.5	.8	1.7	1.3	.9										52	52	42	2			
47 / 47			.1	.1	1.4	2.3	1.5	.6										61	61	61	2			
46 / 44			.7	1.1	1.7	1.3	1.6	.6										71	71	100	2			
44 / 41		.4	.4	1.1	1.3	1.6	.2	.1										49	49	101	9			
43 / 41		.2	1.1	1.2	1.1	1.6	.7											52	52	93	23			
41 / 39		.2	.7	.5	1.2	1.1	1.5	.2										48	48	88	34			
39 / 37		.4	.4	2.1	1.3	.4												52	52	85	40			
37 / 35		.7	.9	1.6	1.1	.2												45	45	65	34			
33 / 33	.1	.4	.4	.4	.6													26	26	92	64			
31 / 31		1.1	.7	.1	.1													18	18	64	115			
29 / 29	.2	.6	.4															11	11	46	81			
26 / 27																				29	93			
25 / 25		.2																2	2	9	82			
24 / 23		.1																1	1	2	48			
22 / 21																					56			
21 / 19																					86			
18 / 17																					43			
15 / 15																					36			
14 / 13																								

PSYCHROMETRIC SUMMARY

STATION HILL AFB LT STATION NAME 75-24 YEARS APR MONTH

PAGE 2 1960-2000
HOURS (L. S. T.)

[illegible]

USAFETAC 0.26-5 (OL A) REVISED AIRCRAFT SECTIONS OF PART 101 AND 102 OF THE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION HILL AFB UT YEARS 75-84 MONTH APR

PAGE 2106-2100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
67									.1	.1	.1	.4						7	7						
66									.1	.1	.2	.7	.2					9	9						
65								.1	.7	.7	.4	.6						22	22						
64								.3	.3	.6	.7							16	16						
63								.7	1.2	1.2	.1							26	26						
62						.4	.7	2.0	1.0	.6								42	42						
61					.3	.9	1.4	1.0	.6									38	38						
60				.2	.3	1.4	1.4	.8	.1									34	34	1					
59		.2	.1	.3	1.4	1.7	1.1	1.7	.2									55	55	4					
58		.2	.3	.9	2.1	2.1	2.0	.6										74	74	14	1				
57	.1	.3	1.2	1.4	2.3	1.9	1.0	.2										77	77	28	5				
56			2.8	2.6	2.0	1.1	1.0	.2										84	84	56	4				
55		.2	.6	1.9	2.7	1.4	.2											63	63	105	4				
54		.2	1.7	2.2	2.2	1.7	.1											64	64	154	15				
53		.9	1.2	1.1	1.3	.7	.1											50	50	97	28				
52		.3	2.2	2.3	1.8	.7	.2											55	55	109	35				
51		.7	2.1	2.4	1.6	.2												65	65	68	57				
50	.1	1.3	1.6	2.2	1.2													58	58	76	50				
49		1.3	1.4	.9	.8													40	40	97	95				
48	.1	.8	.6															15	15	63	98				
47	.1	.2																3	3	57	81				
46																				24	72				
45																				4	68				
44			.1															1	1		69				
43			.2															2	2	2	91				
42																				1	49				
41																					32				
40																					20				
39																					8				
38																					8				
37																					5				
36																					2				
35																					3				
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL.A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

STATION NAME

YEARS

**AS
MONTANA**

~~29DC-23CC~~
~~WATKINS (L. S. F.)~~

USAFETYAC
FORMS
SA 44
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

27

P9

77-755
STATION

STATION NAME

75-84

YEARS

APR
MONTH

PAGE 1

HOURS (L.S.T.)

USAFETAC FORMS
AF 24-5 (OL A)
REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

PSYCHROMETRIC SUMMARY

10755 WILL AFB LT 75-84 APR

PAGE 7 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1																						1			
2																						45			
3																						51			
4																						18			
5																						12			
6																						1			
TOTAL	1.2	6.2	12.9	17.3	15.7	13.4	10.7	8.8	5.3	3.6	2.3	1.2	.7	.4	.1			72.6	72.0	72.0	72.0				
																					</				

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-22-2008 BY 60322 UCBAW

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LAST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	-	.			.						1.1	78.2	0.4	937
FEB	-	.			.						17.4	82.6	0.4	63
MAR	-	.			.						20.4	79.7	0.6	92
APR	-	.			.						10.1	89.9	0.4	67
MAY	-	.			.						20.7	79.3	0.4	637
JUN	-	.			.						.7	99.3	0.3	93
JUL	-	.			.						.1	99.9	0.2	93
AUG	-	.			.						11.2	88.8	0.4	63
SEPT	-	.			.									
OCT	-	.			.									
NOV	-	.			.									
DEC	-	.			.									
TOTALS		.			11.6						2.2	72.6	0.4	744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WILL RPT LT STATION NAME: 75-84 YEARS: MAY
PAGE: 1 HOURS (L. S. T.): 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
71																		7	7							
69										.4								5	5							
67									1.0	.2								16	16							
65									1.0	.1								15	15							
63									1.1	1.2								24	24							
61									1.2	1.6	.5							29	39							
59									1.1	1.2								50	50							
57									1.2	2.5	1.8	.1						67	67							
55									1.2	3.1	.4							77	77	2						
53									1.2	2.2	.3							58	58	17						
51									1.2	2.4	1.2							77	77	47	1					
49									1.2	1.6	.6							75	75	82	12					
47									1.4	.1								64	64	77	43					
45									1.1	.1								89	89	123	30					
43									.4	.2								77	77	122	39					
41									.3	.1								67	67	102	56					
39									.7									54	54	109	65					
37									.6	.1								39	39	88	81					
35									.2									13	13	76	119					
33																		7	7	42	101					
31																		5	5	22	165					
29																		5	5	13	68					
27																				6	57					
25																				2	46					
23																					17					
21																					18					
19																					10					
17																					4					
15																					4					
13																					9					
11																					4					
9																					1					
TOTAL	.5	16.0	16.0	16.8	15.8	14.7	13.3	7.0	4.4	1.1	.9	.4						930	930	930	930					
Element (X)	Σ x'		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.	3252203		52537		56.5		7.499		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total			
Dry Bulb	2392575		46525		50.0		8.369		930				1.0		2.8								93			
Wet Bulb	1691749		39309		42.3		5.706		930				4.3										93			
Dew Point	1108109		31486		33.8		6.898		930				8.0		3								93			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

11 755 WILL BE LEFT
STATION

STATION NAME

75-24

YEARS

May
MONTH

PAGE : 335-520
NUMBER (1-8-7)

USAFETAC
NOTE
0.20-5 (OLA)
OF THE VARIOUS METHODS OF THIS AND ALL OTHERS

PSYCHROMETRIC SUMMARY

79755 HILL AFB UT

75-84

DAY

STATION

STATION NAME

YEARS

MON T 91

PAGE 1

~~SECRET~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
72 / 71																		2	2					
71 / 70																		3	3					
70 / 69																		5	5					
69 / 67																								
68 / 55																		16	16					
67 / 65																		35	35					
66 / 61																		18	18					
65 / 59																		52	52					
64 / 57																		65	65					
63 / 55																		74	74					
62 / 51																		76	76	24				
61 / 53																		65	65	44				
60 / 49																		69	69	65				
59 / 47																		65	65	92				
58 / 45																		75	75	120				
57 / 42																		85	85	114				
56 / 41																		69	69	113				
55 / 39																		47	47	113				
54 / 37																		35	35	90				
53 / 35																		14	14	66				
52 / 33																		15	15	47				
51 / 31																		4	4	18				
50 / 29																		6	6	13				
49 / 27																				7				
48 / 25																				3				
47 / 23																								
46 / 21																								
45 / 19																								
44 / 17																								
43 / 15																								
42 / 13																								
TOTAL	1.2	8.6	16.1	18.3	19.6	11.4	12.4	6.9	3.0	.9	.5	.1						930	930	930				

Element (X)	ΣH^1	ΣH	Σ	σ_n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.	3338872	53528	57.6	16.678	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2360449	46229	49.7	8.200	930		1.0	2.0	.2			93
Wet Bulb	1690740	39298	42.3	5.698	930		4.1					93
Dew Point	1126742	31788			930		37.5					93

2

728755	HILL AFF LT	75-64		MAY
STATION	STATION NAME	YEARS		MONTH

PAGE 2 C900-1100
HOURS (11-1-1)

[illegible]

USAFETAC 0-26-5 (OL A) FORM 8-62
SERVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725755 WILL AFR 47 75-84 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 12CC-14CC
HOURS (1 - 5 - 1)

[illegible]

USAFETAC
FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

MAY

PAGE 2 1200-1460
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION

WILL AF2 BT

STATION NAME

75-84

YEAR

MAY

SAFETY

PAGE 2

1500-1700
MAY 16 1961

[illegible]

2

YEAR:

75-84

MAY
MONTY N

PAGE 1 18CC-20CC
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-765
STATION

FILL AREA 17

STATION NAME

75-24

YEAR

MAY
MAY 19 1964

PAGE 2

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
16 / 17																						7			
17 / 18																						5			
18 / 19																						4			
19 / 20																						2			
TOTAL		4.1	6.0	6.6	11.3	10.5	13.7	11.5	11.9	8.6	6.5	3.0	2.2	.9	.1	.1		927	927	927	927				

PSYCHROMETRIC SUMMARY

775755
STATION

HILL AFB TX

STATION NAME

75-84

VI 400

PAY
MENT

PAGE 2

2100-2300
HOURS (L. S. T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

STATION WILLAFB 17 75-84 MAY
STATION NAME YEARS MONTH
PAGE ALL
HOURS (L. & T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 87																		4	4					
2 / 86																		6	6					
3 / 85																		7	7					
4 / 84																		35	35					
5 / 79																		67	67					
6 / 77																		99	99					
7 / 75																		104	104					
8 / 74																		137	137					
9 / 73																		173	173					
10 / 69																		215	215					
11 / 67																		285	285					
12 / 65																		329	329					
13 / 64																		368	368					
14 / 63																		353	353					
15 / 62																		489	489					
16 / 61																		484	484					
17 / 55																		492	492					
18 / 53																		452	452					
19 / 51																		452	452					
20 / 49																		570	570					
21 / 47																		440	440					
22 / 45																		459	459					
23 / 43																		432	432					
24 / 41																		343	343					
25 / 36																		264	264					
26 / 37																		185	185					
27 / 35																		95	95					
28 / 33																		65	65					
29 / 31																		37	37					
30 / 29																		19	19					
31 / 27																								
32 / 25																								
33 / 23																								
34 / 21																								
Element (X)	Σ R ²	Σ R	Σ	σ _R	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 32 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC

PSYCHROMETRIC SUMMARY

100755 HILL AFB UT

75-24

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
/ 16																						1.4												
/ 17																						4.8												
/ 18																						3.3												
/ 19																						4.2												
/ 20																						1.4												
/ 21																						.4												
TOTAL	.5	6.7	11.9	17.1	12.5	17.7	12.2	9.6	7.8	5.3	3.0	2.3	1.3	.6	.2	.1		7433	7433	7433	7433													

PSYCHROMETRIC SUMMARY

STATION

HILL AFB TX

STATION NAME

74-83

YEARS

NONY

PAGE 2

2000-0200
MAY 11 1991

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

105755 HILL AFB UT 74-83 YEARS MONTH

PAGE 1 3306-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point						
77 / 77																				5	5					
76 / 75																				12	12					
74 / 73																				20	20					
72 / 71																				26	26					
70 / 69																				38	38					
68 / 67																				53	53					
66 / 65																				56	56					
64 / 63																				65	65					
62 / 61																				72	73					
60 / 59																				78	79	10				
58 / 57																				76	77	25				
56 / 55																				81	81	40	10			
54 / 53																				57	57	71	4			
52 / 51																				73	73	117	5			
50 / 49																				65	65	124	22			
48 / 47																				45	45	112	36			
46 / 45																				38	38	137	48			
44 / 43																				18	18	92	56			
42 / 41																				14	14	80	125			
40 / 39																				4	4	48	104			
38 / 37																				1	1	29	79			
36 / 35																						9	88			
34 / 33																						3	93			
32 / 31																							97			
30 / 29																							49			
28 / 27																							27			
26 / 25																							23			
24 / 23																							10			
22 / 21																							6			
20 / 19																							7			
18 / 17																							11			
16 / 15																							2			
14 / 13																							2			
Element (X)	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Z _h	Mean No. of Hours with Temperature						
Ref. Num.																				+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

72755 HILL AFS UT

74-83

JUN

PAGE 2

0300-0500

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

105759
STATION

HILL AFO LT

74-83

YEARS

July
Monday

PAGE 2

0600-0800
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

7-735
STATION

HILL AFB UT

74-83

YEAR

MONITOR

PAGE 2

2900-1100
HONG KONG

[illegible]

2.

74-83

HILL AFB UT

STATION NAME

YEARS

MONITOR

PAGE 1 1200-1000
HOURS (L. A. T.)

USAFETAC FORM 0.26-5 (OLA)
REVISED FEBRUARY 1980 OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

70765 HILL AFB UT

74-82

SECRET

PAGE 7 1256-1450
HOMER (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
76 / 79																						44
78 / 77																						22
78 / 75																						29
76 / 73																						7
72 / 71																						2
71 / 69																						1
70 / 67																						1
TOTAL		1.2	1.9	2.0	2.3	3.2	4.8	7.0	10.2	11.6	12.0	10.8	10.3	8.6	6.7	4.2	3.8		910		899	
																		899		899		

PSYCHROMETRIC SUMMARY

126755
STATION

HILL AFD UT

STAT ON NAME

74-83

YEARS



PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

HILL AFD LT

STATION NAME

74-23

YEAR

WILL
MONTA

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 27																						34
2 / 26																						29
3 / 27																						17
4 / 27																						9
5 / 17																						1
6 / 17																						2
TOTAL		0.9	2.3	4.3	2.7	4.7	4.7	6.2	9.4	3.8	13.7	11.5	9.5	6.6	5.6	2.4	2.2	898	900	898	898	
												</										

PSYCHROMETRIC SUMMARY

STATION HILL AFB TX STATION NAME 74-81 YEARS JUN MONTH 21 PAGE : 21 HOURS (L. S. Y.) 23.2

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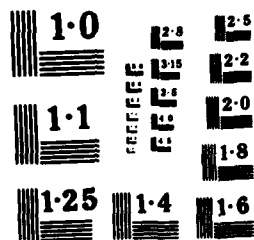
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

121756 HILL AFR UT
STATION

74-83

Julius Rosenberg

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

STATION

STATION NAME

YEARS

1999

PAGE 2

MOVIES (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

790755
STATION

HILL AFB TX

STATION NAME

74-83

YEARS



PAGE 1

2000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
2 / 7																		2	7						
23 / 97																		1	1						
04 / 81												.1	.2					2	3						
0 / 81											.2	.7	.4	.6	.1			16	16						
8 / 79								.1	.2	.5	1.0	.9	.6	.3	.3			37	37						
73 / 77						.1	.2	.5	1.2	1.7	2.2	1.1	.1	.1				67	67						
76 / 75						.1	.9	1.4	2.6	2.3	1.0	.2						78	78						
74 / 73					.1	.4	.8	1.5	2.9	2.7	2.6	.3	.2	.2				111	111						
71 / 71				.6	.6	1.0	2.0	4.0	2.7	2.2	.4	.3						129	129						
7 / 69			.4	.4	1.6	2.4	3.3	2.9	2.6	1.5	.2	.2						144	144						
67 / 67			.3	.3	1.1	1.4	2.3	2.6	1.8	1.3	.1							155	155	3					
56 / 65		.6	.6	1.1	.2	.4	2.6	2.3	1.0	.2								89	89	2					
64 / 63	.7	.7	.4	1.0	.6	1.4	.9	.8	.3									54	54	33					
52 / 63	.1	.1	.3	1.2	.4	.6	.9	.6	.3									43	43	58					
61 / 59		.1	.4	.2	.1	.2	.3											15	15	101					
56 / 57	.1	.3	.2	.2	.3	.4	.6											21	21	174					
50 / 55	.2																	3	3	168					
54 / 53		.5	.2	.1	.1													9	9	127					
50 / 51		.1																2	2	126					
5 / 49		.1																1	1	90					
45 / 47																				54					
44 / 45																				15					
44 / 43																				85					
43 / 41																				85					
4 / 39																				80					
38 / 37																				64					
70 / 35																				29					
34 / 33																				48					
72 / 31																				14					
3 / 26																				7					
78 / 27																				5					
26 / 25																				4					
74 / 23																				5					
22 / 21																									
Element (X)	Σ H ²		Σ H		Σ	°s																			

PSYCHROMETRIC SUMMARY

STATION NAME

YEAR

MONTH

C306-C500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEAR

MONTH
SADD-CRSD
NO. 22 (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
28 / 97																		1	1																	
26 / 85														.1				1	1																	
24 / 83												.2		.2				4	4																	
22 / 81											.1	.2	.1					7	7																	
20 / 79										.7	.2	.4	.1					14	17																	
18 / 77									.3	.4	.5	.4	.2			.1		27	27																	
16 / 75							.2	1.1	.9	1.7	2.6	.4	.2					66	66																	
14 / 73						.9	.6	1.0	1.7	1.1	1.8	.4						76	77																	
12 / 71					.3	1.8	1.1	2.5	3.2	2.5	.8	.5	.1					119	119																	
10 / 69				.7	1.2	1.5	1.3	2.6	2.6	2.0	.5							127	131																	
8 / 67		.1	.3	.2	.9	1.9	3.1	2.9	3.3	.9	.4							129	129																	
6 / 65			.5	1.1	1.5	1.9	2.7	2.7	2.7	.1	.1							132	132	7																
4 / 63		.1	.1	.3	1.1	1.7	1.8	2.4	1.7	.1								79	79	30																
2 / 61		.1		1.2	.5	1.1	1.8	1.9	.9									75	75	66																
5 / 59				.4	.6	.4	.2	1.4	1.0	.4								42	42	86																
3 / 57				.2	.1	.4	.5	.2	.5									19	19	148																
55 / 55		.1	.1		.3	.1	.2	.1										11	11	161																
54 / 53		.1	.1	.1	.1	.1	.2											7	7	141																
52 / 51		.1			.2	.1												4	4	117																
50 / 49		.1																1	1	85																
48 / 47																				56																
46 / 45																				25																
44 / 43																				8																
42 / 41																																				
40 / 39																																				
38 / 37																																				
36 / 35																																				
34 / 33																																				
32 / 31																																				
30 / 29																																				
28 / 27																																				
26 / 25																																				
24 / 23																																				
22 / 21																																				
Element (X)	2 _H ¹		2 _H		H		°H																													

2

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74-83

YEARS

المجلس
الوطني

PAGE 2

0600-0800
HOURS (L. S. T.)

USAFETAC 0-26-5 (OL A) FORM 0-26-5 (OL A) REVISD REVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

MONTH

PAGE 1 1900-1100
MOORE (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

725755
STATION

HILL AFB TX

STATION NAME

74-83

YEARS

1400TH

PAGE ?

1900-1960
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION HILL AFB UT STATION NAME 74-83 YEARS 1974-1975 MONTH JULY
PAGE 1 HOURS (L. S. T.) 1270-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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USAFETAC FORM 0-26-5 (OL A) REVISED SEPTEMBER 1974 USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74-81	HILL AFB UT		

PAGE - ~~1200-1000~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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PSYCHROMETRIC SUMMARY

YEARS

15CC-1710
MOVER (L. E. T.)

[illegible]

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74-83

YEARS

440070

PAGE 2

15CC-17CC
HOURS (L. I. T.)

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY



~~1250-220~~
1250-220

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
30 / 60																.3	4	4									
30 / 59																.5	17	17									
30 / 58																.9	39	39									
30 / 57																1.4	70	70									
30 / 56																2.5	86	86									
30 / 55																4.0	99	99									
30 / 54																6.5	115	115									
30 / 53																9.0	127	127									
30 / 52																11.5	88	88									
30 / 51																14.0	95	95									
30 / 50																16.5	70	70	1								
30 / 49																19.0	45	45	2								
30 / 48																21.5	30	30									
30 / 47																24.0	24	24	2								
30 / 46																26.5	16	16	13	3							
30 / 45																29.0	6	6	51	2							
30 / 44																31.5	6	6	131	2							
30 / 43																34.0	6	6	176	13							
30 / 42																36.5	7	7	180	16							
30 / 41																39.0	3	3	172	26							
30 / 40																41.5	2	2	109	42							
30 / 39																44.0			65	39							
30 / 38																46.5			17	71							
30 / 37																49.0			7	68							
30 / 36																51.5			2	67							
30 / 35																54.0			2	37							
30 / 34																56.5				81							
30 / 33																59.0				65							
30 / 32																61.5				75							
30 / 31																64.0				70							
30 / 30																66.5				64							
30 / 29																69.0				48							
30 / 28																71.5				44							
30 / 27																74.0				26							
Element (X)	Σ H ¹				Σ H				Σ				Σ _R				Mean No. of Hours with Temperature				Total						
Rel. Hum.																	≤ 6 F				≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		
Dry Bulb																											
Wet Bulb																											
Dew Point																											

2

1

STATION NAME

YEARS

Robert V.

18CC-2CC0
MOVIES (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) SERVICE MEMBERS OF THE FOM ARE OBLIGED

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW LEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

STATION 74-83 STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
90 / 91																		1							
88 / 87																		2							
86 / 85																		4							
84 / 81																		10							
82 / 79																		32							
80 / 77																		63							
78 / 75																		90							
76 / 73																		114							
74 / 71																		140							
72 / 69																		172							
70 / 67																		112							
68 / 65																		88							
66 / 63																		52							
64 / 61																		33							
62 / 59																		22							
60 / 57																		14							
58 / 55																		7							
56 / 53																		7							
54 / 51																		3							
52 / 49																		1							
50 / 47																									
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22 / 19																									
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18 / 15																									
16 / 13																									
14 / 11																									
12 / 9																									
10 / 7																									
8 / 5																									
6 / 3																									
4 / 1																									
2 / -1																									
0 / -3																									
-2 / -5																									
-4 / -7																									
-6 / -9																									
-8 / -11																									
-10 / -13																									
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-148 / -151																									
-150 / -153																									
-152 / -155																									

USAFETAC FORM 44 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1207-5 HILL AFB TX
STATION

74-83

YEARS

MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
1 / 99																		3	3																
25 / 97																		7	7																
66 / 67																		49	49																
94 / 93																		126	126																
97 / 91																		200	200																
97 / 89																		316	316																
98 / 87																		362	363																
99 / 85																		431	431																
99 / 87																		435	435																
99 / 81																		471	471																
97 / 79																		515	515																
79 / 77																		535	535																
76 / 75																		572	572																
74 / 71																		555	555																
7 / 7																		596	596																
7 / 69																		572	572																
67 / 67																		471	471																
66 / 65																		411	411																
64 / 63																		293	293																
61 / 61																		227	227																
6 / 59																		170	170																
56 / 57																		53	53																
54 / 55																		35	35																
52 / 53																		36	36																
50 / 51																		13	13																
5 / 49																		5	5																
47 / 47																		1	1																
46 / 45																																			
44 / 43																																			
42 / 41																																			
41 / 39																																			
39 / 37																																			
36 / 35																																			
34 / 33																																			
Element (X)	Σ X ²				Σ X				Σ				Σ				Σ				Σ														
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

74-83

YEARS

1994

PAGE 2

HOURS (CST)

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0-26-5 (OL A)
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PSYCHROMETRIC SUMMARY

74-93

AUG 2005

PAGE 1 ~~EGGC-6266~~
HARRIS (C-8-1)

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JAN 10 1964
U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

USAFETAC

0-26-5 (OL A)

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GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

028795	HILL AFB TX	74-87		AUG
STATION	STATION NAME	YEARS		MONTH

PAGE 7 ~~0300-0500~~
~~HOUSE (C) TA~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
77 F		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6		93	93	93													
Element (X)	Z _H ²	Z _H	X	P _s	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	1982285	39709	42.73A.298	93C	= 0 P	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																							
Dry Bulb	3997881	62763	65.3	6.197	93C		38.7	0.8	.8		93																							
Wet Bulb	2592503	48389	52.C	5.163	93C						93																							
Dew Point	158023C	37500	A0.3	0.112	030	21.1					a																							

2.

PSYCHROMETRIC SUMMARY

HILL AFB UT

STATION NAME

74-82

YEARS

ALG MONT

PAGE 1

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~~NOFORN (U.S.T.)~~

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

10-165	HILL FURNACE	74-93	AUG
STATION	STATION NAME	YEARS	MONTH

PAGE 1 ~~SECRET~~
HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

15755	HILL AFB TX	74-97	
STATION	STATION NAME	YEARS	ALL MONTH

PAGE 2 ~~198C-1100~~
HWA 11-1-77

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PSYCHROMETRIC SUMMARY

725755
STATION

HILL AFB UT

74-82



PAGE 2 ~~125D-1463~~
~~HOOPER (L. E. V.)~~

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2.

126755
STATION

HILL AFE UT

STATION NAME

74-83

YEARS

Aufg.

NOTES

~~SECRET~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70 / 70																						40		
70 / 70																						32		
70 / 70																						8		
70 / 70																						2		
70 / 70																						7		
70 / 70																						1		
70 / 70																						2		
TOTAL																			929	929	929			

Element (X)	Σ H ²	Σ H	H	H ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7711.5	23575	25.8	3.648	929	≥ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	6445864	77096	82.9	7.673	930			89.1	83.3	69.3	7.0	93
Wet Bulb	3257636	54868	59.1	4.287	929			3.3				93
Dew Point	1655718	18320	41.2	8.994	929		17.3	1				9

USAFETAC

PSYCHROMETRIC SUMMARY

25755
STATION

HILL AFB TX

74-83



YEARS

MONTH

PAGE 1

1875-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
96 / 95																	.7	3	3					
95 / 93																	.6	9	9					
94 / 91														.1	.5	.7	1.2	21	21					
93 / 89												.1	.5	.7	.5	.8	1.2	29	29					
92 / 87										.1		.4	.8	.5	2.7	1.4	1.4	64	64					
91 / 84										.1	.3	.9	1.2	1.7	1.6	1.5	.1	69	69					
90 / 81									.2		.9	1.0	1.7	3.0	1.7	.1		80	80					
89 / 78									.3	.9	1.0	2.3	2.7	1.7	1.4			98	98					
88 / 74							.1	.5	.5	1.3	1.4	2.8	1.8	1.9	.4			101	101					
87 / 71						.2	.2	.6	1.6	1.1	1.6	2.2	1.6	.8	.1	.2		94	94					
86 / 70					.1	.2	.8	1.3	1.3	2.3	1.8	1.0	.3					86	86					
85 / 67					.2	.1	.6	1.1	.9	.9	1.0	1.0	.5	.2				60	60					
84 / 64					.1	.1	1.2	1.2	.5	1.3	.8	.9	.1					58	58					
83 / 61					.2	.2	.9	.5	.9	1.0	.5	.1		.1				51	51	2				
82 / 58			.4	.7	.3	.3	.3	.2	.5	.9	.7							33	33	15				
81 / 55			.2	.5	.2	.1	.5	.5	.2	.4								27	27	40				
80 / 52			.1	.2	.1	.2	.2	.2	.1	.1								12	12	76				
79 / 51						.2	.1	.3										9	9	107				
78 / 49					.1	.5	.5	.1										14	14	168				
77 / 57						.2	.5	.1										8	8	188				
76 / 56						.2	.4	.2										3	3	171				
75 / 53																		1	1	88				
74 / 50																				60				
73 / 47																				51				
72 / 45																				14				
71 / 43																				10				
70 / 42																				58				
69 / 40																				77				
68 / 39																				96				
67 / 37																				73				
66 / 35																				67				
65 / 33																				61				
64 / 31																				56				
63 / 29																				35				
Element (X)	2 H ²	2																						

PSYCHROMETRIC SUMMARY

106755
STATION

HILL AFB UT

STATION NAME

74-82

YEARS

AUG
MONTH

PAGE 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
51 / 22																						23								
56 / 25																						25								
61 / 28																						28								
66 / 31																						31								
71 / 34																						34								
76 / 37																						37								
TOTAL		.7	1.1	1.3	1.7	2.0	2.7	3.4	4.0	4.7	5.4	6.1	6.7	7.4	8.0	8.7	9.4	9.3	9.2	9.1	9.0	930								

Element (X)	ΣH^1	ΣH	Σ	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1072519	28419	30.6	28.822	930	$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	5719341	72549	78.1	7.682	930			85.6	71.9	43.2	1.2	93
Wet Bulb	3158927	53669	57.6	4.985	930			1.7				93
Dew Point	1718653	19069	42.0	9.808	930		18.3					93

PSYCHROMETRIC SUMMARY

74-63	74-63	74-63	74-63
STATION	STATION NAME	YEARS	MONTH

PAGE 1 2106-230
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

7375	HILL AFB TX	74-83	ALG
STATION	STATION NAME	YEARS	MONTH

PAGE 2 ~~2100-2100~~
~~1000-1000~~

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2.

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**ALL
MONTH**

Country	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050
Japan	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
Germany	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0
France	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0
Italy	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0
Spain	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0
Sweden	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0
United Kingdom	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0
United States	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0
Canada	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
China	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0
India	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0
South Africa	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0
South Korea	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0
Poland	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0
Ukraine	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0
Russia	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0
Belarus	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0
Latvia	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
Lithuania	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0
Estonia	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0
Finland	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0
Norway	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0
Iceland	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0
Ireland	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0
Greece	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0
Portugal	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0
Spain	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
France	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0
Germany	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0
Italy	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0
Japan	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.

USAFETAC 0-26-S (OL A) avoids nervous stigmas of the POW and OAHU

PSYCHROMETRIC SUMMARY

12-755
STATION

HILL AFB UT

STATION NAME

74-83

YEARS

SFF

MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

22725
STATION

WILL AFS LI

STATION NAME

74-A3

YEARS

SFP

MONY

PAGE 3

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2.

PSYCHROMETRIC SUMMARY

HILL #F2 UT

74-83

YEARS

SFE

MONY

PAGE 4 2100-6500
HOURS (L. S. T.)

USAFETAC 0-26-5 (OL A) FORM 0-26-5 (OL A) REVIDED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION

FALL AFTER LI

STATION NAME

74-82

YEARS

SEE
MONITOR

PAGE : CICL-502
NUMBER (1-2-1)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.S.	Dry Bulb	Wet Bulb	Dew Point
TOTAL		2.1	5.1	5.6	12.0	15.2	19.1	18.1	12.7	6.0	2.2	.3						9.0		9.0	9.0

2

74-83

YEARS

SEP
MONTH

PAGE 3

USAFETAC FORM 0-26-5 (OL A) JUL 64
SERIAL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

724745 HILL 9 FEB 47
STATION STATION NAME

74-83

YEARS

~~SEE~~
~~MONTH~~

PAGE 2

~~SECRET~~

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PSYCHROMETRIC SUMMARY

7275 E HILL AFB UT
STATION

STATION NAME

74-93

YEARS

~~SECRET~~
MONTH

PAGE 2

~~SECRET~~
NOV 1966 (L. I. I.)

[illegible]

PSYCHROMETRIC SUMMARY

2-755
STATION

HILL AFB UT

STATION NAME

74-23

YEARS

SEP
MONTH

PAGE 2

~~127C-14CC~~
~~MOONS (L. S. T.)~~

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74-755 HILL AFB MT 74-81 SEP
STATION STATION NAME YEARS MONTH

PAGE 2 1500-1700
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb			Wet Bulb			Dew Point													
1-10																																				19	
11-20																																				20	
21-30																																				24	
31-40																																				13	
41-50																																				6	
51-60																																				1	
61-70																																				2	
71-80																																				900	
81-90																																				900	
91-100																																				900	
TOTAL																																					

Element (X)	Σ H ²	Σ H	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	9795.5	26289	29.2	5.16	900	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	697707	65911	73.2	9.936	900			71.2	53.5	25.0		900
Wet Bulb	2607706	48222	53.6	5.164	900							900
Dew Point	1267667	12893	36.5	8.536	900		30.0					900

USAFETAC FORM 0-26-5 (OL A) REVISED VARIOUS SECTIONS OF THE FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1 1000-2000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
1 / 85																		1	1					
20 / 80																		5	5					
30 / 85																.3	.7	6	6					
40 / 80											.1		.1	.7	1.1	.7	2	2						
50 / 85											.1	.7	.9	.2			16	16						
60 / 75									.1	.3	.2	1.3	.8	1.4	.2		4	4						
70 / 70								.7	.3	.2	1.2	1.7	1.1	.4	.1		49	49						
80 / 70								.7	.3	.9	1.4	2.6	1.3	.4			65	65						
90 / 70							.4	.4	1.0	1.6	2.2	1.4	.7				67	67						
100 / 70					.1		.3	.7	1.2	1.4	1.6	1.2	.7				65	65						
110 / 60				.1	.3	.3	.6	1.1	1.6	2.8	1.8	1.0	.2				90	90						
120 / 60				.2	.6	.7	1.4	1.9	2.2	2.0	.6	.1					87	87						
130 / 45			.2	.6	.7	1.4	1.3	2.8	2.0	1.2	.3						94	94						
140 / 60			.4	.2	.3	.6	.7	1.1	1.3	1.0	.4	.1					56	56	8					
150 / 60		.1	.1	.1	.6	.6	1.7	1.7	1.3	.8	.1						63	63	14					
160 / 50		.1	.1	.1	.1	.2	1.4	.9	.6	.1							41	41	44					
170 / 50			.3	.4	.1	.9	.8	.6									78	78	95					
180 / 55			.7	.7	1.0	.4	.8	.1									29	29	114					
190 / 50				.4	.2	.7	.4	.2									18	18	123					
200 / 50			.3	.1	.4	.7	.3	.1									16	16	121					
210 / 40		.1	.7	.3	.7	.2	.7										15	15	132					
220 / 40			.6	.2	.7	.2	.1										7	7	96					
230 / 40			.6	.2	.7	.2	.1										11	11	63					
240 / 40		.1	.2	.1													4	4	37					
250 / 40		.1	.1														2	2	76					
260 / 35		.1	.1														4	4	18					
270 / 30																	1	1	9					
280 / 30																			5					
290 / 30																			1					
300 / 30																								
310 / 20																			51					
320 / 25																			39					
330 / 25																			32					
340 / 20																			21					

Element (X)	ΣX^1
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PSYCHROMETRIC SUMMARY

PAGE 7 ~~1000-2000~~

[illegible]

PSYCHROMETRIC SUMMARY

STATION	FILE REF. I	STATION NAME	"4-2"	YEARS	SEP
					MONTH

PAGE 7 ~~21CC-23CC~~
HARRIS (L. J. J.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
10	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
11	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
12	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
13	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
14	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
15	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
16	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
17	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
18	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
19	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
20	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
21	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
22	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
23	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
24	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
25	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
26	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
27	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
28	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	9.0	9.0	9.0	9.0														
29	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	1																										

PSYCHROMETRIC SUMMARY

STATION 144 STATION NAME 14-83 YEARS SEP MONTH ALL PAGE HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
1 / 61																									
1 / 62																									
1 / 63																									
1 / 64																									
1 / 65																									
1 / 66																									
1 / 67																									
1 / 68																									
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1 / 93																									
1 / 94																									
1 / 95																									
1 / 96																									
1 / 97																									
1 / 98																									
1 / 99																									
1 / 100																									
Σ X ²																									

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	SEP
74-21			

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
105																						3.5															
102																						2.8															
100																						1.8															
98																						1.9															
96																						.3															
94																						.2															
92																						.3															
90																						.1															
88																																					
86																																					
84																																					
82																																					
80																																					
78																																					
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74																																					
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48																																					
46																																					
44																																					
42																																					
40																																					
38																																					
36																																					
34																																					
32																																					

PSYCHROMETRIC SUMMARY

STATION 705 HILL AFB UT STATION NAME 74-87 YEARS CC1 MONTH PAGE 1 0000-0200 MOBIL (U.S.A.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 74-83 HILL AFB UT STATION NAME 74-83 YEARS OCT MONTH

PAGE 1 0920-1100 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
77 / 77																						1	1		
76 / 76																						1	1		
75 / 75																						7	7		
74 / 74																						13	13		
73 / 73																						40	40		
72 / 72																						52	52		
71 / 71																						63	63		
70 / 70																						67	67		
69 / 69																						69	69	2	
68 / 68																						88	88	12	
67 / 67																						66	66	29	
66 / 66																						97	97	65	
65 / 65																						72	72	100	14
64 / 64																						68	68	117	14
63 / 63																						42	42	133	29
62 / 62																						46	46	133	29
61 / 61																						42	42	112	53
60 / 60																						23	23	82	52
59 / 59																						20	20	54	91
58 / 58																						5	5	56	97
57 / 57																						5	5	21	116
56 / 56																						4	4	8	102
55 / 55																								7	112
54 / 54																								1	91
53 / 53																									44
52 / 52																									47
51 / 51																									36
50 / 50																									16
49 / 49																									17
48 / 48																									3
47 / 47																									1
Element (X)	Σ H ¹		Σ H		Σ		°H		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											± 6 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2.

PAGE 5 ~~SECRET~~
HOUNS (L. S. T.)

74-82

0.5
MONTH

STAY: ON

STATION NAME

YEARS

MONT

PAGE 5 ~~SECRET~~
HOUNS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) ALL AD
REVIDE PREVIOUS EDITIONS OF THIS FORM AND OMS-0119

PSYCHROMETRIC SUMMARY

STATION WILL APOLI STATION NAME 74-87 YEARS CCJ MONTH 1270-1465
HOURS (L, S, T) PAEF

[illegible]

PSYCHROMETRIC SUMMARY

70755 HILL AFB UT
STATION STATION NAME

74-83

YEARS

051
MONTH

PAGE 2 120G-1468
HARRIS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
91.1	.0	3.0	5.2	8.2	7.8	8.2	14.3	13.4	11.2	11.3	7.6	3.5	2.4	1.1	.4			93.1	93	93.1	93.0			

2

PSYCHROMETRIC SUMMARY

STATION NAME

YEAR

ACT
MONTH

15CC-17CC
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

755
STATION

FULL AFFID

STATION NAME

74-23

YEARS

CCY
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
TOTAL	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	>31	97C	93C	93C	

Element (X)	ΣH^1	ΣH	Σ	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	191245C	38678	41.6	18.687	93C	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	3271142	54332	58.4	30.217	93C		.3	25.0	6.8	.5		93
Wet Bulb	1979444	42932	45.7	9.617	93C		.7					93
Dew Point	1090758	30866	32.8	6.676	93C		88.9					93

PSYCHROMETRIC SUMMARY

1255 HILL AFB TX
STATION

74-87

CCI

PAGE * ~~1820-2500~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
74/ 73												.2	.4					6	6																
73/ 71												.3	.5					7	7																
72/ 69											.4	.6	.8					15	15																
71/ 67								.3	.5	1.0	.6	.1						26	26																
70/ 65						.1	.3	.5	1.6	1.7	.6	.1						43	43																
69/ 63					.2	.5	.6	1.4	1.5	.7								43	43																
68/ 61				.1		1.0	1.2	2.6	.5									52	52																
67/ 59					.4	1.4	2.3	1.1	.1	.1								54	54																
66/ 57					.6	1.7	2.2	3.1	.4									70	70	1															
65/ 55			.1	.4	1.2	1.7	2.2	1.4	.4									69	69	3															
64/ 53		.1	.2	.6	.9	1.9	2.2	.8										61	61	14															
63/ 51		.4	.6	1.5	2.3	2.4	1.2	.3										91	81	34	1														
62/ 49		.4	.9	2.5	2.3	1.6	.8	.2										80	87	85	6														
61/ 47		.2	1.7	.9	1.9	1.7	1.4											69	69	108	8														
60/ 45		.2	1.1	1.5	1.7	1.1	.1											55	55	156	9														
59/ 43		.6	.9	1.3	1.6	1.7	.2											48	48	119	31														
58/ 41	.2	.9	1.4	1.5	1.1	.4	.1											52	52	113	52														
57/ 39	.2	1.2	1.1	1.7	.5	.7												46	46	81	65														
56/ 37		.9	1.7	.3	.1													28	28	73	81														
55/ 35	.2	.4	.9	.7														13	13	68	99														
54/ 33	.1	.2	.1															4	4	49	88														
53/ 31		.7	.1															1	3	16	138														
52/ 29		.7																3	3	5	106														
51/ 27		.2																2	2	2	70														
50/ 25																				2	73														
49/ 23																				1	35														
48/ 21																					25														
47/ 19																					21														
46/ 17																					14														
45/ 15																					5														
44/ 13																					3														
TOTAL	.6	5.8	10.8	12.4	14.0	13.5	19.2	10.8	8.5	4.9	2.2	1.2	.8					930		930	930														

Element (X)	Σx'	Σx	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2617430	46292	49.838	361	930	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	2628522	48728	52.4	9.008	930		.8	5.4	.8			93
Wet Bulb	1729982	38280	42.8	5.988	930							93
Dew Point	1012590	18838	32.3	4.627	930							93

PSYCHROMETRIC SUMMARY

22755
STATION

HILL AFB TX

STATION NAME

74-83

YEARS

CCI
MEMPHIS

PAGE : 215C-215C
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point				
72 / 71													.1					1	1						
71 / 69													.2					2	2						
68 / 65									.2	.1	.3							6	6						
64 / 61							.5	.7	.4	1.3	1.0							13	13						
61 / 57						.1	.2	1.2	1.4	.5	.2							35	35						
57 / 50						.5	1.1	1.1	2.5	.6	.1							58	58						
50 / 47					.1	1.2	.4	2.5	1.2	.2								55	55						
45 / 45				.2	.4	1.4	1.4	2.8	.8									70	70	1					
41 / 51			.1	.5	.6	2.3	2.0	1.1	.2									64	64						
42 / 51		.3	.2	1.0	1.6	1.9	2.5	.6										76	76	9	1				
41 / 45		.9	.7	2.2	2.6	2.6	1.5	.1										94	94	31	3				
40 / 47		.7	1.5	1.1	2.9	2.2	.4											78	78	63	3				
44 / 45		.1	1.6	2.4	2.0	1.7	.9											77	77	91	11				
44 / 43	.2	1.0	.9	1.8	1.1	1.2	.3											60	60	166	14				
42 / 41	.1	.8	1.0	1.4	.6	.5	.1											45	45	125	32				
41 / 39	.1	2.5	1.4	2.5	.8	.5												74	74	146	70				
37 / 37	.1	.9	1.6	1.7	.3	.0												44	44	86	51				
36 / 35	.1	1.1	1.4	1.1	.1													35	35	66	80				
34 / 33	.1	.5	.2	.3														11	11	71	79				
31 / 31	.1	.2	.1															4	4	43	101				
27 / 29	.7																	3	7	20	111				
27 / 27	.7	.3																5	5	8	96				
26 / 25																					98				
24 / 21																				3	52				
22 / 21																					49				
21 / 19																					41				
16 / 17																					16				
16 / 15																					16				
14 / 12																					3				
11 / 11																					3				
TOTAL	1.0	9.1	17.5	16.3	13.3	16.5	12.2	9.7	6.7	2.8	1.6		.3					930	930	930					
																		930		930					

Element (X)	Σ H'	Σ H	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2855179	80369	52.0	9.117	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2295819	45581	49.0	8.167	930		1.2	.3				93
Wet Bulb	1506993	37617	40.4	5.178	930		7.4					93
Dew Point	900639	28211	30.3	6.950	930		58.6					93

PSYCHROMETRIC SUMMARY

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70 / 81																		2	7						
70 / 79																		9	9						
71 / 77																		21	21						
76 / 75																		29	29						
74 / 71																		58	58						
72 / 71																		1-2	1-2						
71 / 69																		159	159						
70 / 67																		186	186						
66 / 65																		276	276						
64 / 63																		236	236						
62 / 61																		291	291						
61 / 59																		370	370		2				
60 / 57																		437	437		5				
58 / 55																		481	481		48				
58 / 51																		513	513		138				
57 / 51																		576	576		288				
56 / 49																		631	631		537				
48 / 47																		560	560		618				
46 / 45																		532	532		772				
44 / 43																		508	508		852				
42 / 41																		424	424		935				
41 / 39																		350	350		937				
38 / 37																		314	314		763				
37 / 35																		219	219		556				
31 / 33																		90	90		456				
26 / 31																		83	83		283				
21 / 29																		29	29		172				
20 / 27																		16	16		90				
20 / 25																		12	12		18				
20 / 23																		1	1		12				
20 / 21																					6				
19 / 19																									
19 / 17																									
16 / 15																									
Element (X)	Σ ₂₁				Σ ₂				Σ				Σ ₂₁				Σ ₂				Σ				
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

PAGE ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	a-31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
74.1	.	5.7	11.0	17.0	23.1	29.4	35.7	42.0	48.2	54.5	60.8	67.0	73.2	79.5	85.8	92.1				74.4		74.4												
																		74.4		74.4														
																		</																

USAFETAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
10-255	HILL AFB LT	74-82	NOV

PAGE 1 2000-0200
HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

125755
STATION

HILL AFB TX

STATION NAME

74-83

YEARS

NCM
MONTH

PAGE 2

2000-0210
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	2.7	14.9	21.6	24.2	15.4	5.0	3.3	.7	.3									91.6	90.0	90.6	90.0			

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 ~~0300-0500~~
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

125755 HALL AFB LT 74-87 NOV
STATION STATION NAME YEARS MONTH
PAGE 1 660-680
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
57																		4	4		
55																		7	7		
53																		6	5		
51																		11	11		
49																		13	13		
47																		21	31	6	1
45																		36	36	4	
43																		35	35	9	1
41																		65	65	32	8
39																		78	78	85	15
37																		73	73	82	10
35																		97	97	88	27
33																		79	79	92	29
31																		97	97	121	62
29																		62	62	102	50
27																		67	67	88	89
25																		33	33	78	86
23																		19	19	65	85
21																		33	33	33	79
19																		26	26	38	76
17																		6	6	23	78
15																		8	8	9	79
13																		7	7	6	54
11																		4	4	7	29
9																		5	5	6	18
7																				5	17
5																					5
3																					8
1																					5
-1																					3
-3																					1
-5																					2
-7																					
-9																					
-11																					
Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

224755
STATION

ALL AFFILI

STATION NAME

74-63

VT 498

NCI
MONITOR

PAGE 2

~~CONFIDENTIAL~~

PSYCHROMETRIC SUMMARY

70-255
STATION

HILL AFF CT

74-83

YEARS

NAME _____

PAGE 3

~~5950-1100~~
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

725755 HILL AFB LT 74-83 NCW
STATION MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
66/ 67																		2	7					
66/ 65																		2	2					
64/ 67																		12	12					
62/ 63																		15	15					
61/ 59						.1	.4	1.1	1.1	1.0	.1							35	35					
59/ 57						.4	.9	1.1	2.1	.3	.1							38	38					
58/ 55					.6	.6	.8	1.5	1.0	.8								50	50					
58/ 53					.2	.2	1.2	1.1	.2	.3								35	35					
57/ 51					.2	.2	1.4	2.4	.3									42	42	2				
57/ 49					.3	.7	1.3	2.2	.9									67	67	31				
49/ 47				.3	1.1	1.6	1.1	1.8	.2									55	55	33				
46/ 45		.1	.9	1.7	1.9	2.2	.8	.1										63	63	86	1			
44/ 43		.1	.9	1.7	1.6	2.2	.2											57	57	74	11			
42/ 41		.1	.9	1.8	2.4	.8												58	58	68	15			
41/ 39		.3	1.1	2.6	2.6	.9												67	67	92	16			
39/ 37	.3	.3	1.2	.8	1.9	.7												47	47	87	29			
36/ 35	.2	1.2	1.8	1.6	.9	.6												56	56	80	52			
34/ 33	.2	.8	1.2	2.1	.6	.2												44	44	92	57			
32/ 31	.3	2.6	1.7	1.6	.7													61	61	67	84			
31/ 25	.8	.7	1.8	.8	.1													37	37	72	79			
28/ 27	1.0	.6	.1	.1														16	16	51	90			
26/ 25	1.8	.3		.1														13	13	51	94			
24/ 23	.7	.1		.1														10	10	23	39			
22/ 21	.6	.1		.1														9	9	9	86			
20/ 19	.1	.6																6	6	10	88			
18/ 17		.3																3	3	3	84			
16/ 15	.1	.1																2	2	7	39			
14/ 13	.2																	2	2	3	21			
12/ 11																				3	12			
10/ 9																					13			
8/ 7																					6			
6/ 5																					7			
4/ 2																					5			
2/ 1																					4			
Element (X)	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

175755
STATION

HILL AFB LT

74-83

TEAM

NCM
MINYU

PAGE ?

125C-14CC
HARRIS (L. J. J.)

[illegible]

2

YEARS

74-83

NO

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-20-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

72555
STATION

FILL AFD UT

STATION NAME

74-82

VE ARE

N.C.
MEMPHIS

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83	74-83	74-83	74-83	74-83
STATION	STATION NAME	YEARS	MONTH	

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	10.4	17.8	24.5	25.4	17.4	22.4	4.3	1.3	.6	.2								9.0	9.0	9.0	9.0	
</																						

GLOBAL CLIMATOLOGY BRANCH
SCAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	HILL AFB UT	74-83	YEARS	NCV MONTH
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PAGE 1 2100-2100
MAY 1961

[illegible]

PSYCHROMETRIC SUMMARY

19755	HILL AFB TX	24-83		MCV
STATION	STATION NAME	YEARS		MONTH

PAGE 1 ALL
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

NOV
1997

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
/																													45		
/ -																													15		
- / -																													4		
- - / -																													3		
- - / - 7																													3		
- - / - 9																													5		
- / - 1																													17		
- / - 1																													2		
TOTAL	2.21	5.23	7.23	4.16	3.9	5.5	3.7	1.0	.4										72.0		72.0							72.0			

Element (%)	Σ H ⁺	Σ H ⁻	Σ	σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	27070833	425315	59.186.685		7200	≥ 8 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 86 F	≥ 93 F	
Dry Bulb	11202245	275723	38.3 9.749		7200		209.1	.5				720
Wet Bulb	8067989	234834	12.6 7.535		7200		351.7					720
Dew Point	4723150	178642	24.2 8.967		7200	4.9	607.9					720

2

PSYCHROMETRIC SUMMARY

WILL AFR 61

STATION NAME

74-82

YEARS

DEC
MONTOM

PAGE 1 ~~SECRET~~
HQS (L.S.T.)

[illegible]

USAFETAC **FORM** **0-20-5 (OL A)** **REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**

PSYCHROMETRIC SUMMARY

25755
STATION

HILL AFB UT

STATION NAME

74-82

YEARS

DEC
MONTH

PAGE 2

800-6200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	7.0	33.3	34.5	7.5	4.7	1.7	.9	.2	.3									93.0	93.0	93.0				

2

10

DEC
MONTH

YEAR

0300-0500
(11:00 - 1:00)

USAFETAC
FORM 0-26-5 (OLA)
REV. 4-4
SERVING AIR FORCE AGENCIES OF THE ROYAL AIR FORCE

PSYCHROMETRIC SUMMARY

~~DEC~~
~~NORTH~~

~~SECRET~~
NOV 19 1964

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
54 / 52																		1	1						
52 / 5																		4	4						
5 / 45																		9	9						
45 / 47																		7	7						
45 / 45																		10	10						
44 / 42																		17	17						
40 / 4																		23	23	7					
4 / 39																		33	33	23					
35 / 37																		34	34	22					
35 / 35																		69	69	30	9				
34 / 33																		70	70	57	18				
32 / 31																		125	125	107	42				
31 / 25																		78	78	82	73				
28 / 27																		98	98	88	47				
26 / 25																		68	68	120	79				
24 / 22																		56	56	58	38				
22 / 21																		59	59	80	66				
21 / 19																		57	57	83	161				
18 / 17																		28	28	53	72				
16 / 15																		13	13	26	67				
14 / 13																		24	24	22	63				
11 / 11																		16	16	19	56				
9 / 9																		12	12	25	45				
7 / 7																		4	4	13	33				
5 / 5																		3	3		25				
3 / 3																		8	8	6	32				
1 / 1																		6	6	6	26				
0 / -1																		1	1	6	16				
-2 / -3																					6				
-4 / -5																					3				
-6 / -7																					6				
-8 / -11																					1				
-12 / -13																					5				
-14 / -15																					3				
Element (X)	Σ X ²		Σ X		Σ		σ _n		No. Obs.		Mean No. of Hours with Temperature														
Ref. Num.											≤ 9 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

2

2

DEC
MONTH

C600-0000
MAY 11 1961

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
TOTAL	4.1	35.3	36.6	46.5	50.1	55.1	64	72											929	929	929		
	</																						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10755 HILL AFB UT 74-83 DEC MONTH

PAGE 1 1990-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																																								
57/ 57								.1										1	1																																									
56/ 55								.1										1	1																																									
54/ 53								.2										4	4																																									
52/ 51								.2										5	5																																									
51/ 49					.1	.4	.5	.2										12	12																																									
49/ 47					.1	.1	.5	.2										13	13																																									
45/ 45					.5	.5	.1	.2										17	17																																									
44/ 43				.3	1.3	.5	.6											26	26																																									
41/ 41		.7	.4	1.0	.5	.6												26	24																																									
39/ 39		.4	1.2	1.3	1.7	.3												39	39																																									
37/ 37		.5	2.7	2.7	1.5	.1												70	70																																									
35/ 35		1.7	2.7	1.9	.8	.1												67	67																																									
34/ 33	.3	2.4	2.6	2.2	1.3													41	41																																									
32/ 32	1.4	4.5	4.7	3.8	.9													138	138																																									
29/ 29	.2	2.6	3.5	2.6	.3													96	86																																									
27/ 27	.6	3.2	2.4	1.5	.1													69	69																																									
25/ 25	.6	2.5	1.2	1.0														68	69																																									
23/ 23	.3	1.8	2.3	.6														38	38																																									
22/ 21	.2	1.8	2.2															39	39																																									
19/ 19	.1	1.2	2.4	.1														26	36																																									
18/ 17		.9	1.0															17	17																																									
16/ 15		1.1	.9															18	18																																									
14/ 13		1.4	.3															15	15																																									
12/ 11	.1	1.4	.1															15	15																																									
10/ 9		1.1	.1															11	11																																									
8/ 7		.8	.2															6	6																																									
6/ 5		.1																3	3																																									
4/ 3		.5																5	5																																									
2/ 1		.2																2	2																																									
0/ -1																																																												
-2/ -3																																																												
-4/ -5																																																												
-6/ -7																																																												
-8/ -9																																																												
Element (X)	Σ H ²					Σ H					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature																																		
Rel. Hum.																										≤ 6 F					≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total														
Dry Bulb																																																												
Wet Bulb																																																												
Dew Point																																																												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

105755
STATION

WILL AFF UT

STATION NAME

74-82

YEAR

DEC
MONY

PAGE 2

~~SECRET-1110~~
~~NOFORN (C, S, T)~~

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 1 12CC-1452
NOV 19 1963 (U.S. I.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4 / 4																																			
4 / 5																																			
4 / 57																																			
5 / 55																																			
5 / 54																																			
5 / 51																																			
5 / 46																																			
5 / 47																																			
4 / 45																																			
4 / 43																																			
4 / 41																																			
4 / 39																																			
3 / 37																																			
3 / 35																																			
3 / 33																																			
3 / 31																																			
3 / 29																																			
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3 / 25																																			
3 / 23																																			
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3 / 19																																			
3 / 17																																			
3 / 15																																			
3 / 13																																			
3 / 11																																			
3 / 9																																			
3 / 7																																			
3 / 5																																			
3 / 3																																			
3 / 1																																			
2 / -1																																			
2 / -3																																			
2 / -5																																			
Element (X)	Σ R ²					Σ R					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature									
Res. Num.																																			
Dry Bulb																															Total				
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD A147 184

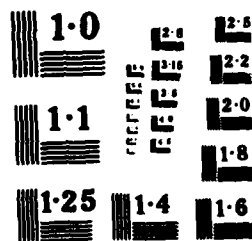
HILL AFB UTAH REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS (RU..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. SEP 84
UNCLASSIFIED USAFETAC/DS R4/029 SRI AD-E850 746

F/G 4/2

NI

6/8

ENCLOSURE



PSYCHROMETRIC SUMMARY

74-83

YEARS

DEC
MONTH

PAGE 2 1200-1402
MAY 1963 (L. S. I.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725755 HILL AFB UT
STATION STATION NAME

74-87

YEARS

DEC
MONTH

PAGE 1 1855-20.0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point				
50/ 53						.1	.2	.3										7	7					
52/ 55						.2	.4											6	6					
54/ 49					.7	.7	.1	.7										8	8					
56/ 47					.7	.2	.3											8	8					
58/ 45			.1	.3	.1	.9	.2											15	15					
60/ 43			.2	.5	.9	.9												19	19	2				
62/ 41		.6	1.6	1.8	.3	.1												42	42	12				
64/ 39		.6	1.5	2.3	1.2													52	52	22				
66/ 37		.9	2.5	2.5	1.7	.1												64	64	44	6			
68/ 35		2.8	3.5	2.3	.9													84	84	56	11			
70/ 33		3.4	3.7	3.1	1.2													102	102	96	25			
72/ 31		3.1	5.5	5.7	2.7	1.2												117	117	111	68			
74/ 29	.5	3.1	4.4	2.7	.1													95	95	83	81			
76/ 27	.4	4.5	4.7	1.5														92	92	121	65			
78/ 25		2.7	3.1	.4														52	52	115	68			
80/ 23	.6	3.9	1.5															39	39	98	45			
82/ 21	.2	1.5	1.1															26	26	43	99			
84/ 19	.4	1.6	1.3															36	36	40	130			
86/ 17		.8	.3															12	12	26	74			
88/ 15	.1	.6	.5															12	12	15	54			
90/ 13		1.2	.5															17	17	14	60			
92/ 11		1.7	.2															11	11	14	44			
94/ 9		.5	.1															6	6	14	25			
96/ 7		.3	.2															5	5	7	19			
98/ 5		.3																3	3	5	9			
100/ 3																				2	12			
102/ 1																					17			
104/ -1																					5			
106/ -3																					3			
108/ -5																					6			
110/ -7																					4			
112/ -9																					4			
TOTAL	2.7	11.3	36.6	18.3	7.6	2.4	1.3	.5										930	930	930	930			
																		930		930				
Element (R)	Σ ₁	Σ ₂	Σ	Σ ₄	No. Obs.		Mean No. of Hours with Temperature						Total											
Rel. Hum.	9299412	61504	68.124	786	930		< 6 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total											
Dry Bulb	963458	28918	31.1	8.319	930			82.3					93											
Wet Bulb	798935	25889	27.4	7.339	930			69.8					93											
Dew Point	987929	19078	20.5	8.969	930			68.8					93											

USAFETAC FORM 0-26-5 (OL A) REVERSE SIDE OF THIS FORM ARE OUTLINE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 24755 HILL AFB UT STATION NAME 74-81 YEARS DEC MONTH
PAGE 1 2100-2100 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
53																					5	5			
51																					5	5			
49																					10	10			
47																					7	7			
45																					12	12			
43																					22	22			
41																							1		
39																					29	29	10		
37																					37	37	18	1	
35																					69	69	32	3	
33																					73	73	57	9	
31																					91	91	84	23	
29																					102	102	108	59	
27																					97	97	78	64	
25																					98	98	98	70	
23																					71	71	98	82	
21																					38	38	114	37	
19																					34	34	68	67	
17																					47	47	85	106	
15																					14	14	34	93	
13																					16	16	18	73	
11																					14	14	16	56	
9																					13	13	18	46	
7																					16	16	12	45	
5																					6	6	12	21	
3																					1	1	9	11	
1																					3	3	1	19	
-1																							3	20	
-3																								10	
-5																								3	
-7																								2	
-9																								1	
-11																								7	
TOTAL	3.133	0.36	3.19	5.4	4.2	2.2	1.4		.3												930	930	930	930	
Element (X)	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	423682		61372		66024		167		930		10 F		32 F		67 F		73 F		80 F		93 F		Total		
Dry Bulb	905758		27889		30.6		8.663		930				57.0										93		
Wet Bulb	700600		29598		28.4		7.527		930				72.8										93		
Dew Point	428225		18055		19.4		8.907		930		2.5		89.8										93		

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.S./W.S.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
60 / 60																		1	1						
59 / 59																		2	2						
58 / 57																		6	6						
57 / 55																		12	12						
56 / 54																		45	45						
55 / 53																		45	45						
54 / 47																		90	90						
53 / 47																		101	101	3					
48 / 45																		138	138	2					
44 / 43																		211	211	39					
43 / 41																		304	304	110					
42 / 39																		372	372	222	4				
38 / 37																		460	460	274	41				
36 / 35																		609	609	416	58				
34 / 33																		682	682	649	175				
32 / 31																		993	993	825	461				
31 / 29																		668	669	740	545				
28 / 27																		644	644	837	483				
26 / 25																		505	505	838	654				
24 / 23																		292	292	641	375				
22 / 21																		309	310	481	667				
21 / 19																		310	310	388	835				
18 / 17																		140	140	261	619				
16 / 15																		122	122	171	506				
14 / 13																		114	114	137	472				
12 / 11																		98	98	128	300				
11 / 9																		66	66	110	283				
10 / 7																		39	39	55	219				
9 / 5																		26	26	42	120				
8 / 3																		27	27	26	106				
7 / 1																		10	10	21	153				
6 / -1																		1	1	10	58				
5 / -3																					41				
4 / -5																					24				
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X				
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

2

PSYCHROMETRIC SUMMARY

DEC
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

205755
STATION

HILL AFB TX

74-23

050
MENTIN

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

2-255
STATION

WILL AFD LY

STATION NAME

74-84

YEARS

ALL
MONTANA

PAGE :

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

125755
STATION

HILL AFD LT

STATION NAME

74-34

YEAR

PAGE 2

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
7 / 3	.7	1.6	2.4	3.2	.7													4521	4521	4678	7868				
7 / 24	.6	1.5	2.3	3.1	.6													2636	2686	4287	5876				
7 / 27	.5	1.4	2.2	3.0	.5													2487	2487	4042	5688				
7 / 25	.4	1.3	2.1	2.9	.4													2019	2019	3624	5565				
7 / 21	.3	1.2	2.0	2.8	.3													1173	1173	2473	3235				
7 / 11	.2	1.1	1.9	2.7	.2													1236	1237	1790	4675				
7 / 9	.1	1.0	1.8	2.6	.1													1257	1257	1381	5405				
7 / 17	.0	.9	1.7	2.5	.0													747	747	1103	3399				
7 / 15	.0	.8	1.6	2.4	.0													592	592	809	2697				
7 / 7	.0	.7	1.5	2.3	.0													430	430	652	1990				
1 / 11	.0	.6	1.4	2.2	.0													291	291	405	1546				
1 / 9	.0	.5	1.3	2.1	.0													210	210	352	1077				
1 / 7	.0	.4	1.2	2.0	.0													171	171	207	830				
1 / 3	.0	.3	1.1	1.9	.0													68	68	131	473				
1 / 1	.0	.2	1.0	1.8	.0													38	38	85	486				
1 / -1	.0	.1	.9	1.7	.0													62	62	82	432				
1 / -3	.0	.0	.8	1.6	.0													27	27	65	257				
-1 / -7	.0	.0	.7	1.5	.0													3	3	16	157				
-4 / -5																					111				
-6 / -7																					104				
-7 / -9																					61				
-7 / -11																					69				
-1 / -10																					26				
-14 / -15																					43				
-1 / -17																					25				
-1 / -19																					16				
-1 / -21																					3				
-1 / -23																					3				
-1 / -25																					1				
TOTAL	1.6	13.0	16.6	12.9	9.3	8.1	7.3	6.6	5.7	4.6	4.0	3.0	2.3	1.8	1.3	.8	.7	87663		87635					
																		87635		87635					

Element (X)	ΣX'	ΣX	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	266406303	8891053	51.220	339	87635	• 0 F	• 32 F	• 67 F	• 73 F	• 80 F	• 93 F	Total
Dry Bulb	291361968	4388298	90.039	333	87663	3.08799	22035.5	3308.1	657.0	37.8		8760
Wet Bulb	157393073	3534195	90.383	002	87635	8.12610	5	25.3	.9			8760
Dew Point	91197635	2630683	30.081	909	87635	86.38208	5	1.3				8760

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

02-755 HILL AFB MT

74-84

STATION		STATION NAME												YEARS													
HRS TEST		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
1-10		MEAN	26.4	29.8	35.8	42.8	50.0	61.0	70.1	68.4	59.8	47.5	36.1	29.6	46.5												
		S D	8.823	8.379	7.524	8.571	8.369	8.616	5.842	6.330	7.610	7.802	8.599	8.724	16.872												
		TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	930	10959												
1-15		MEAN	25.7	28.9	34.6	41.1	48.1	58.0	67.0	65.3	57.1	45.8	35.0	28.8	44.7												
		S D	9.023	8.619	7.608	8.141	8.002	8.237	5.878	6.197	7.341	7.434	8.604	8.726	16.021												
		TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	930	10959												
1-20		MEAN	25.0	28.1	34.1	41.4	49.7	59.9	68.0	65.5	56.4	44.9	34.4	28.2	44.7												
		S D	9.259	8.886	7.616	8.319	8.200	8.160	5.644	6.246	7.347	7.189	8.576	9.024	16.575												
		TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	929	10958												
1-25		MEAN	26.5	31.0	38.3	47.7	56.7	68.7	77.4	75.1	65.4	51.9	38.5	30.3	50.7												
		S D	8.947	9.131	8.324	10.169	10.237	9.746	6.218	7.097	8.668	8.654	9.561	9.145	19.458												
		TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	930	10959												
1-30		MEAN	29.9	35.5	42.2	51.8	60.7	74.1	83.7	81.4	72.1	58.1	43.2	34.1	55.7												
		S D	8.131	8.982	9.218	11.064	11.448	10.825	6.430	7.605	9.352	9.754	10.416	8.915	20.522												
		TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	930	10959												
1-35		MEAN	30.4	36.5	43.1	53.0	61.7	75.6	85.3	82.9	73.2	58.4	43.1	34.0	56.5												
		S D	7.939	9.199	9.146	11.132	11.314	10.825	6.666	7.673	9.436	10.217	10.169	8.599	20.911												
		TOTAL OBS	930	849	929	900	929	900	930	930	900	930	900	930	10957												
1-40		MEAN	28.1	33.3	40.0	49.5	58.3	72.0	81.1	78.0	67.4	52.4	39.0	31.1	52.6												
		S D	8.171	8.700	8.229	10.353	10.501	10.459	6.945	7.682	8.994	9.008	8.950	8.314	20.089												
		TOTAL OBS	930	849	930	900	927	900	930	930	900	930	900	930	10956												
1-45		MEAN	27.2	31.3	37.3	45.4	52.8	65.2	74.0	71.6	62.3	49.0	37.0	30.0	48.7												
		S D	8.342	8.394	7.666	9.136	9.020	9.320	5.836	6.602	7.929	8.157	8.665	8.663	17.893												
		TOTAL OBS	930	849	930	900	927	900	930	930	900	930	900	930	10956												
ALL HOURS		MEAN	27.4	31.8	38.2	46.6	54.7	66.8	75.8	73.5	64.2	51.0	38.3	30.7	50.0												
		S D	8.774	9.241	8.779	10.602	10.909	11.496	9.117	9.496	10.308	9.861	9.744	9.005	19.133												
		TOTAL OBS	7440	6792	7439	7200	7433	7200	7440	7440	7200	7440	7200	7439	87663												

USAF ETAC FORM 0-89-3 (OL A)
OCT 78

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT- WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12-755 HILL AFB UT

74-84

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01-02	MEAN S.D. TOTAL OBS	23.7 8.245 930	26.5 7.456 849	31.3 6.172 930	35.7 6.173 930	42.3 5.706 930	48.9 5.279 897	55.2 4.247 930	53.5 4.969 930	47.4 5.611 904	39.3 5.144 930	31.2 7.004 930	26 7. 930	38.5 12.290 10956	
03-05	MEAN S.D. TOTAL OBS	23.1 8.455 930	25.8 7.794 849	30.4 6.329 930	34.7 6.135 930	41.1 5.594 930	47.4 5.175 897	53.7 4.576 930	52.0 5.163 930	45.9 5.814 900	38.3 5.176 930	30.4 7.040 930	22.4 7. 930	37.4 12.055 10956	
06-08	MEAN S.D. TOTAL OBS	22.4 8.725 930	25.1 8.127 849	30.0 6.401 930	34.9 6.273 930	42.3 5.698 930	49.0 5.313 896	54.7 4.519 930	52.5 5.345 930	45.8 6.045 900	37.6 5.271 930	29.8 7.119 930	24.8 7.992 929	37.5 12.650 10954	
09-11	MEAN S.D. TOTAL OBS	23.7 8.323 930	27.2 7.974 849	32.9 6.409 930	38.6 6.730 930	46.2 6.377 930	53.5 5.677 898	59.4 3.968 930	57.5 4.683 930	50.8 5.766 900	42.1 5.351 930	32.6 7.510 930	26.4 7.860 930	41.0 13.687 10957	
12-14	MEAN S.D. TOTAL OBS	26.3 7.277 930	30.5 7.130 849	35.2 6.367 930	40.6 6.717 930	47.8 6.602 930	54.9 5.600 899	60.9 3.857 930	59.2 4.345 927	53.5 5.291 899	45.6 5.319 930	35.7 7.542 930	29.2 7.122 929	43.3 13.150 10953	
15-17	MEAN S.D. TOTAL OBS	26.9 7.156 930	31.2 7.071 849	35.5 6.194 929	41.1 6.650 930	47.9 6.274 929	54.9 5.286 897	60.6 3.831 929	59.1 4.287 929	53.6 5.164 900	45.7 5.617 930	35.8 7.493 930	29.3 6.953 930	43.5 12.900 10952	
18-20	MEAN S.D. TOTAL OBS	25.2 7.543 930	29.2 7.245 849	34.0 6.027 930	39.5 6.532 930	46.5 6.192 927	53.9 5.355 898	59.4 3.784 930	57.6 4.485 930	51.4 5.362 920	42.8 5.448 930	33.5 7.126 930	27.4 7.139 930	41.7 13.084 10954	
21-23	MEAN S.D. TOTAL OBS	24.4 7.781 930	27.7 7.283 849	32.3 5.935 930	37.3 6.216 930	43.8 5.818 927	51.0 5.164 897	56.8 4.055 930	54.9 4.869 930	48.6 5.352 900	40.4 5.178 930	31.9 7.015 930	26.4 7.527 930	39.7 12.497 10953	
ALL HOURS	MEAN S.D. TOTAL OBS	24.5 8.086 7880	27.9 7.784 6792	32.7 6.520 7439	37.8 6.855 7200	44.7 6.548 7433	51.7 6.043 7179	57.6 4.897 7439	55.8 5.506 7436	49.6 6.291 7199	41.5 6.055 7480	32.6 7.535 7200	26.9 7.666 7438	40.3 13.072 87415	

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
3TH WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

107755 HILL AFB LT

74-84

STATION		STATION NAME												YEARS	
HRS	TEST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN S D TOTAL OBS	17.5 1.143 936	2.6 1.74 849	24.3 7.128 936	25.1 7.694 936	33.8 6.894 936	37.7 7.265 897	43.3 7.993 936	40.8 9.242 936	34.8 8.632 936	29.3 7.074 936	23.4 8.272 936	18.9 9.056 936	29.2 11.809 10956	
0-06	MEAN S D TOTAL OBS	16.5 1.407 936	19.5 9.456 849	23.7 7.337 936	25.6 7.782 936	33.3 6.729 936	37.1 7.164 897	42.8 7.958 936	40.3 9.112 936	34.4 8.641 936	28.7 7.174 936	22.7 8.373 936	18.3 9.368 936	28.6 11.971 10956	
0-09	MEAN S D TOTAL OBS	16.2 1.735 936	18.7 9.937 849	23.3 7.424 936	25.8 7.744 936	34.2 6.671 936	38.9 6.862 896	44.2 7.578 936	41.2 8.942 936	34.7 8.846 936	28.3 7.153 936	22.2 8.369 936	17.7 9.503 929	28.8 12.498 10954	
0-11	MEAN S D TOTAL OBS	17.2 1.233 936	20.1 9.403 849	24.9 7.212 936	27.3 7.735 936	34.1 6.648 936	41.2 7.248 898	46.9 7.271 936	44.3 8.224 936	37.6 8.441 936	31.5 6.892 936	23.9 8.626 936	19.0 9.168 936	30.8 12.784 10957	
1-14	MEAN S D TOTAL OBS	19.3 9.337 936	22.2 8.281 849	25.6 6.961 936	27.3 7.819 936	35.6 7.240 936	39.4 7.599 899	45.2 8.030 936	43.1 8.575 927	37.7 8.127 899	32.8 6.489 936	25.6 8.314 936	21.6 8.116 929	31.3 11.645 10953	
1-17	MEAN S D TOTAL OBS	20.1 3.887 936	22.9 7.961 849	25.2 7.153 929	26.9 7.814 936	34.7 7.296 29	37.8 7.561 897	43.2 8.557 929	41.2 8.994 929	36.5 8.536 936	32.8 6.676 936	26.0 8.468 936	21.6 7.977 936	30.8 11.066 10952	
2-2	MEAN S D TOTAL OBS	18.9 9.336 936	22.1 8.575 849	25.5 7.154 936	27.1 7.881 936	34.9 7.231 927	38.8 7.474 898	43.7 8.384 936	42.0 9.008 936	36.9 8.255 936	32.3 6.627 936	25.5 8.276 936	20.5 8.464 936	30.7 11.528 10954	
2-23	MEAN S D TOTAL OBS	18.3 9.641 936	21.0 8.835 849	24.9 6.959 936	26.7 7.777 936	34.4 6.993 927	38.4 6.870 897	43.4 8.223 936	41.1 9.418 936	35.3 8.573 936	30.3 6.950 936	24.2 8.307 936	19.4 8.907 936	29.8 11.645 10953	
ALL HOURS	MEAN S D TOTAL OBS	18.0 9.898 784	20.8 9.064 6792	24.7 7.207 7819	26.6 7.797 7200	34.6 7.034 7833	38.7 7.354 7178	44.1 8.097 7839	41.8 9.027 7836	36.0 8.598 7199	30.7 7.081 7880	24.2 8.467 7200	19.6 8.920 7838	30.0 11.979 87635	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12-755
STATION

HILL AFB UT

STATION NAME

75-84

PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0-02	100.0	100.0	100.0	99.5	93.0	75.1	46.2	21.0	7.8	69.9	930
	03-05	100.0	100.0	100.0	99.6	92.5	74.5	45.6	20.9	8.0	69.8	930
	06-08	100.0	100.0	100.0	99.7	92.3	74.1	46.1	22.2	7.2	69.8	930
	09-11	100.0	100.0	100.0	99.7	89.4	71.2	43.9	20.5	6.6	68.6	930
	12-14	100.0	100.0	100.0	97.4	85.6	61.5	35.5	17.0	4.5	65.8	930
	15-17	100.0	100.0	100.0	98.6	87.4	64.7	36.6	18.1	3.7	66.5	930
	18-20	100.0	100.0	100.0	99.5	90.4	72.5	45.4	23.8	8.3	69.4	930
	21-23	100.0	100.0	100.0	99.2	91.5	76.7	46.9	22.3	6.7	69.9	930
TOTALS		100.0	100.0	100.0	99.2	90.3	71.3	43.3	20.7	6.6	68.7	7440

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

FEB
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
FEB	00-02	100.0	100.0	99.6	97.5	89.8	72.3	38.3	18.7	6.6	67.9	849
	03-05	100.0	100.0	99.6	97.9	90.2	74.2	42.3	18.6	7.7	68.7	849
	06-08	100.0	100.0	99.5	98.1	91.6	75.4	43.8	18.3	5.7	68.7	849
	09-11	100.0	100.0	99.6	95.9	84.8	63.0	32.0	15.2	4.8	65.2	849
	12-14	100.0	99.5	98.0	91.4	72.8	46.1	22.0	11.7	3.5	60.2	849
	15-17	100.0	99.3	98.0	89.5	73.1	43.2	22.9	10.7	4.6	59.7	849
	18-20	100.0	99.8	99.5	95.9	85.3	60.2	32.2	16.6	5.8	65.0	849
	21-23	100.0	99.6	99.6	96.9	88.5	66.2	34.3	19.0	6.9	66.8	849
TOTALS		100.0	99.8	99.2	95.4	84.5	62.6	33.5	16.1	5.7	65.3	6792

FORM 1041-04

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFI WEATHER SERVICE/MAC

RELATIVE HUMIDITY

19755 HILL AFB UT
STATION

STATION NAME

75-84

PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.5	95.6	83.1	57.0	33.4	14.8	6.7	64.6	930
	03-05	100.0	100.0	99.2	97.8	86.6	61.4	33.5	17.3	6.2	65.8	930
	06-08	100.0	100.0	99.5	98.1	87.7	61.3	34.1	15.8	5.3	65.8	930
	09-11	100.0	99.9	98.5	91.8	70.5	45.9	25.1	12.8	3.2	60.4	930
	12-14	100.0	99.4	93.2	77.6	51.8	32.2	20.1	11.0	3.2	54.6	930
	15-17	100.0	98.5	90.4	71.6	46.9	29.5	18.9	9.1	2.4	52.3	929
	18-20	100.0	99.7	96.3	85.8	67.0	42.4	25.7	12.3	3.8	58.5	930
	21-23	100.0	99.9	99.0	92.6	75.8	50.5	32.8	16.3	5.6	62.7	930
TOTALS		100.0	99.7	97.0	88.9	70.7	47.5	28.0	13.7	4.6	60.6	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72:755
STATION

HILL AFB UT

STATION NAME

75-84

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	99.8	92.4	75.3	54.8	35.0	19.4	7.6	2.8	54.3	900
	03-05	100.0	100.0	93.7	80.7	59.9	40.4	21.3	8.8	3.0	56.5	900
	06-08	100.0	100.0	95.2	80.1	59.2	37.6	20.0	8.9	3.6	56.1	900
	09-11	100.0	97.2	82.4	61.8	38.8	23.7	14.1	6.4	1.9	48.4	900
	12-14	100.0	92.7	69.6	45.2	27.7	17.2	10.7	5.1	1.3	42.5	900
	15-17	100.0	89.7	64.9	40.2	26.0	14.8	7.9	3.0	1.1	40.4	900
	18-20	100.0	94.6	76.7	52.8	34.3	21.8	12.3	5.2	1.8	45.7	900
	21-23	100.0	98.2	86.6	69.0	47.8	29.1	16.2	6.7	1.8	51.2	900
TOTALS		100.0	96.5	82.7	63.1	43.6	27.5	15.2	6.5	2.2	49.4	7200

USAFETAC

FORM
75-84

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725755
STATION

HILL AFB UT

STATION NAME

75-84

PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	99.8	96.1	77.3	58.7	40.1	24.5	10.4	2.4	56.5	930
	03-05	100.0	99.8	97.5	83.9	63.4	45.9	28.7	12.6	3.9	59.1	930
	06-08	100.0	100.0	97.6	82.2	61.6	39.9	23.9	10.4	3.0	57.6	930
	09-11	100.0	99.0	86.2	63.8	40.5	23.4	13.8	5.6	2.3	49.2	930
	12-14	100.0	94.3	70.8	45.4	27.6	16.9	10.2	4.6	1.9	42.8	930
	15-17	100.0	91.4	61.7	37.8	25.6	15.5	9.8	3.8	1.2	40.2	929
	18-20	100.0	96.5	75.3	51.7	33.7	20.0	13.1	5.2	1.8	45.3	927
	21-23	100.0	99.5	90.3	69.0	49.8	31.9	20.6	8.2	2.3	52.9	927
TOTALS		100.0	97.5	84.4	63.9	45.1	29.2	18.1	7.6	2.4	50.5	7433

USAFETAC

FORM
AF 64

0-87-5 (OL A)

RELATIVE HUMIDITY

JUN
MON

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	95.9	82.2	52.2	32.7	17.9	9.3	2.0	.1	45.0	897
	03-05	100.0	96.5	89.7	64.7	40.6	24.2	12.2	3.6	1.0	48.7	897
	06-08	100.0	98.8	90.6	64.5	37.9	22.3	8.8	2.8	.9	48.3	896
	09-11	100.0	93.9	69.8	37.9	19.5	10.1	4.6	2.7	1.1	39.6	898
	12-14	100.0	76.5	41.6	19.4	10.6	6.2	3.7	1.6	.7	31.6	899
	15-17	99.4	65.4	32.1	16.2	8.9	4.6	2.7	1.0		28.5	897
	18-20	99.9	80.2	44.4	23.3	13.8	8.4	4.2	1.1	.3	33.1	898
	21-23	100.0	95.1	66.8	38.9	23.4	14.2	6.5	1.9	.2	40.4	897
TOTALS		99.9	87.8	64.7	39.6	23.4	13.5	6.5	2.1	.5	39.4	7179

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION NAME

74-83

PERIOD

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	96.8	72.9	39.0	21.1	11.4	5.7	1.8	.3	40.3	930
	03-05	100.0	98.1	81.7	51.3	27.3	13.4	6.1	2.6	.1	43.7	930
	06-08	100.0	98.7	85.5	54.2	28.4	12.5	4.5	1.9		44.2	930
	09-11	100.0	92.9	59.9	29.7	11.8	4.2	1.4	.6	.1	35.9	930
	12-14	99.7	72.3	31.4	13.2	3.9	1.9	.9	.6	.3	27.9	930
	15-17	99.6	55.8	21.6	11.1	4.0	2.3	1.1	.3	.1	24.9	929
	18-20	99.8	71.1	34.0	17.5	9.2	4.4	2.7	1.2	.2	29.4	930
	21-23	100.0	89.7	56.3	28.3	15.7	7.8	2.8	.6	.4	35.9	930
TOTALS		99.9	84.4	55.4	30.5	15.2	7.2	3.2	1.2	.2	35.3	7439

FORM
NIE 64

D-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12575R
STATION

HILL AFB UT

STATION NAME

74-83

PERIOD

OCT

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	99.0	90.1	67.0	49.8	33.0	19.7	8.7	3.5	52.6	930
	03-05	100.0	99.1	92.9	71.4	51.8	36.0	20.3	9.5	3.8	54.1	930
	06-08	100.0	99.8	94.1	74.9	54.4	36.2	19.7	9.9	3.2	54.8	930
	09-11	100.0	98.0	83.1	58.8	38.9	23.3	14.2	6.8	2.5	48.0	930
	12-14	100.0	94.7	67.5	43.4	25.8	16.2	9.9	3.4	1.6	42.0	930
	15-17	100.0	93.4	66.2	43.7	26.8	15.1	8.8	4.6	1.6	41.6	930
	18-20	100.0	97.5	85.8	63.0	43.9	26.2	14.7	6.9	2.4	49.8	930
	21-23	100.0	98.6	88.3	67.0	48.1	30.1	17.6	10.4	4.0	52.0	930
TOTALS		100.0	97.5	83.5	61.2	42.4	27.0	15.6	7.5	2.8	49.4	7440

USAFETAC

FORM
AIR 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

RELATIVE HUMIDITY

125755
STATION

HILL AFB UT

STATION NAME

74-83

PERIOD

NOV

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.0	90.7	73.3	51.0	29.3	13.7	4.0	61.7	900
	03-05	100.0	100.0	99.1	91.8	76.4	52.0	28.8	14.9	4.7	62.4	900
	06-08	100.0	100.0	99.1	92.2	79.2	52.6	28.6	14.9	4.2	62.7	900
	09-11	100.0	100.0	97.0	85.1	64.0	43.4	22.2	9.3	3.6	58.0	900
	12-14	100.0	100.0	92.4	70.6	48.7	31.6	15.9	8.2	2.8	52.7	900
	15-17	100.0	99.8	93.9	74.3	50.2	32.7	16.8	9.3	2.2	53.4	900
	18-20	100.0	100.0	98.4	89.0	72.2	45.4	24.2	12.0	3.2	60.2	900
	21-23	100.0	100.0	98.8	91.2	74.3	49.7	27.9	14.0	4.1	61.5	900
TOTALS		100.0	100.0	97.2	85.6	67.3	44.8	24.2	12.0	3.6	59.1	7200

USAFETAC

FORM
JAN 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

025755
STATION

HILL AFB UT

STATION NAME

74-83

PERIOD

DEC

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	99.9	99.6	97.2	85.6	64.2	35.6	16.7	4.7	65.8	930
	03-05	100.0	100.0	99.7	96.6	86.7	63.9	36.5	17.0	4.6	66.1	930
	06-08	100.0	100.0	99.9	96.0	84.6	65.2	35.1	16.6	5.5	66.0	929
	09-11	100.0	100.0	100.0	94.2	80.3	60.0	31.5	16.5	4.4	64.2	930
	12-14	100.0	100.0	98.9	89.0	72.8	46.7	25.5	13.6	2.8	60.4	929
	15-17	100.0	100.0	99.0	91.9	77.4	51.6	29.7	13.3	4.2	62.2	930
	18-20	100.0	100.0	99.5	96.6	85.6	65.2	37.7	17.2	5.7	66.1	930
	21-23	100.0	100.0	99.6	96.8	86.3	62.3	36.9	16.6	4.9	66.0	930
TOTALS		100.0	100.0	99.5	94.8	82.4	59.9	33.6	15.9	4.6	64.6	7438

USAFETAC

FORM
AN 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION: HILL AFB LT STATION NAME: 74-84 PERIOD: ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.2	90.3	71.3	43.3	20.7	6.6	68.7	7440
FEB		100.0	99.8	99.2	95.4	84.5	62.6	33.5	16.1	5.7	65.3	6792
MAR		100.0	99.7	97.0	88.9	70.7	47.5	28.0	13.7	4.6	60.6	7439
APR		100.0	96.5	82.7	63.1	43.6	27.5	15.2	6.5	2.2	49.4	7200
MAY		100.0	97.5	84.4	63.9	45.1	29.2	18.1	7.6	2.4	50.5	7433
JUN		99.9	87.8	64.7	39.6	23.4	13.5	6.5	2.1	.5	39.4	7179
JUL		99.9	84.4	55.4	30.5	15.2	7.2	3.2	1.2	.2	35.3	7439
AUG		99.8	82.4	52.8	30.8	16.1	8.2	4.0	1.8	.3	35.2	7436
SEP		100.0	89.1	61.7	36.4	20.4	10.7	5.5	1.9	.4	38.3	7199
OCT		100.0	97.5	83.5	61.2	42.4	27.0	15.6	7.5	2.8	49.4	7440
NOV		100.0	100.0	97.2	85.6	67.3	44.8	24.2	12.0	3.6	59.1	7200
DEC		100.0	100.0	99.5	94.8	82.4	59.9	33.6	15.9	4.6	64.6	7438
TOTALS		100.0	94.6	81.5	65.8	50.1	34.1	19.2	8.9	2.8	51.3	87635

USAFETAC

FORM JAN 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

12-755 HILL AFB UT

74-84

STATION		STATION NAME												YEARS													
HRS (LST)		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
7	MEAN	25.241		25.212		25.107		25.112		25.117		25.148		25.194		25.203		25.214		25.250		25.238		25.244		25.190	
	S D	.276		.188		.193		.150		.133		.105		.085		.086		.109		.148		.182		.190		.161	
	TOTAL OBS	310		283		310		300		310		300		310		310		300		310		300		310		3653	
5	MEAN	25.238		25.205		25.098		25.114		25.120		25.158		25.209		25.213		25.220		25.248		25.235		25.242		25.192	
	S D	.209		.187		.185		.153		.135		.174		.082		.085		.107		.153		.183		.188		.162	
	TOTAL OBS	310		283		310		300		310		300		310		310		300		310		300		310		3653	
9	MEAN	25.247		25.218		25.119		25.136		25.142		25.186		25.240		25.243		25.247		25.269		25.251		25.257		25.213	
	S D	.211		.190		.186		.159		.140		.105		.081		.084		.108		.155		.188		.187		.163	
	TOTAL OBS	310		283		310		300		310		300		310		310		300		310		300		310		3653	
1	MEAN	25.272		25.236		25.133		25.146		25.148		25.190		25.245		25.249		25.258		25.281		25.267		25.280		25.226	
	S D	.213		.194		.187		.159		.142		.174		.083		.086		.110		.155		.188		.198		.165	
	TOTAL OBS	310		283		310		300		310		300		310		310		300		310		300		310		3653	
4	MEAN	25.232		25.205		25.108		25.125		25.126		25.166		25.215		25.220		25.226		25.248		25.230		25.238		25.195	
	S D	.276		.193		.181		.156		.141		.104		.084		.088		.108		.150		.184		.187		.161	
	TOTAL OBS	310		283		310		300		310		300		310		310		300		310		300		310		3653	
7	MEAN	25.234		25.197		25.093		25.103		25.103		25.137		25.183		25.185		25.198		25.235		25.224		25.236		25.177	
	S D	.200		.191		.181		.153		.139		.103		.088		.088		.108		.146		.181		.184		.161	
	TOTAL OBS	310		283		310		300		309		300		310		310		300		310		300		310		3652	
-	MEAN	25.243		25.203		25.100		25.106		25.107		25.129		25.175		25.181		25.201		25.242		25.233		25.246		25.180	
	S D	.198		.190		.178		.148		.132		.102		.089		.090		.109		.144		.182		.183		.160	
	TOTAL OBS	310		283		310		300		309		300		310		310		300		310		300		310		3652	
27	MEAN	25.249		25.209		25.107		25.118		25.123		25.147		25.195		25.195		25.212		25.250		25.238		25.252		25.191	
	S D	.200		.190		.179		.147		.130		.102		.087		.090		.110		.148		.187		.186		.160	
	TOTAL OBS	310		283		310		300		309		300		310		310		300		310		300		310		3652	
ALL HOURS	MEAN	25.245		25.211		25.108		25.120		25.123		25.158		25.207		25.211		25.222		25.253		25.240		25.249		25.196	
	S D	.206		.190		.183		.154		.137		.106		.088		.090		.110		.151		.185		.187		.162	
	TOTAL OBS	2880		2248		2880		2800		2877		2800		2880		2880		2800		2880		2800		2880		28221	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

75755 HILL AFB UT
STATION

STATION NAME

74-83

PERIOD

AUG

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	0-02	100.0	93.0	63.7	38.5	21.8	11.3	5.7	2.9	.5	39.5	930
	03-05	100.0	97.7	72.6	48.2	25.9	14.2	7.4	3.2	.4	42.7	930
	06-08	100.0	98.7	78.3	50.8	27.7	14.3	7.7	2.5	.2	43.5	930
	09-11	100.0	88.9	57.2	30.1	14.6	6.3	2.3	.5		35.6	930
	12-14	100.0	67.0	33.0	15.1	6.3	3.1	1.3	.9	.4	28.2	927
	15-17	98.9	53.6	23.9	10.8	5.6	3.0	1.8	.8	.5	25.4	929
	18-20	99.8	72.5	38.4	21.2	10.3	4.5	2.3	1.2	.3	30.6	930
	21-23	100.0	88.1	54.9	31.4	16.2	9.0	4.5	2.6	.2	36.1	930
TOTALS		99.8	82.4	52.8	30.8	16.1	8.2	4.0	1.8	.3	35.2	7436

USAFETAC

FORM 54

0-87-5 (OL A)

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12-755
STATION

HILL AFB UT

STATION NAME

74-83

PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	97.8	70.9	42.7	24.9	13.8	6.0	1.6	.3	41.6	900
	03-05	100.0	99.7	81.3	52.0	30.0	15.0	7.4	3.3	.2	44.6	900
	06-08	100.0	100.0	87.0	56.8	33.1	16.9	8.2	3.3	.7	46.1	900
	09-11	100.0	94.9	63.0	35.0	18.7	8.6	5.2	1.7	.4	38.4	900
	12-14	100.0	76.2	39.7	18.9	10.7	6.1	3.4	.7	.1	31.2	899
	15-17	100.0	65.9	33.9	16.3	8.9	6.0	3.7	.8	.1	29.2	900
	18-20	100.0	85.2	54.2	30.4	14.1	8.1	4.7	1.8	.4	35.5	900
	21-23	100.0	92.9	63.7	38.9	22.8	10.9	5.7	1.6	.7	39.5	900
TOTALS												
TOTALS		100.0	89.1	61.7	36.4	20.4	10.7	5.5	1.9	.4	38.3	7199

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

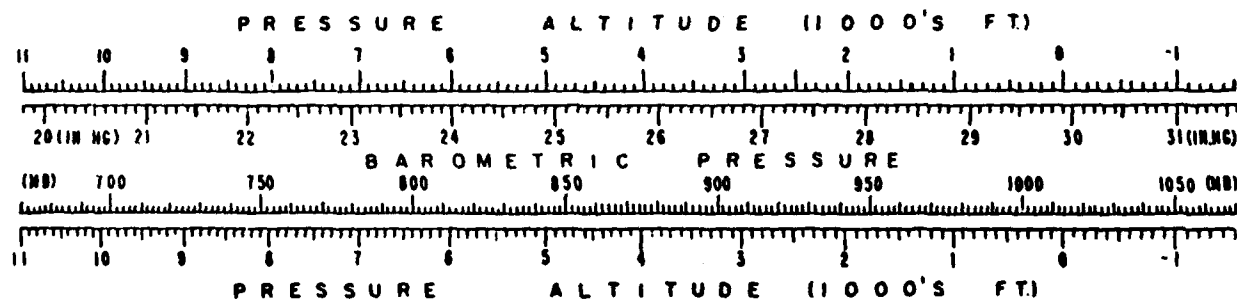
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFH WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

124755 HILL AFB LT

74-84

STATION		STATION NAME												YEARS																																																																																																																																																																							
HRS (LST)																																																																																																																																																																																					
		JAN												FEB												MAR												APR												MAY												JUN												JUL												AUG												SEP												OCT												NOV												DEC												ANNUAL																																			
2		MEAN												0022.1												0019.9												0014.2												0013.5												0011.9												0011.3												0011.8												0012.4												0014.1												0017.6												0019.5												0021.3												1015.7																							
		S D												9.247												8.575												7.953												6.540												5.662												4.850												3.878												3.895												4.734												6.446												7.990												8.499												7.792																							
		TOTAL OBS												310												283												310												300												310												300												310												310												300												310												300												310												3653																							
3		MEAN												0022.1												0019.8												0014.0												0013.2												0012.1												0011.8												0012.6												0013.0												0014.6												0017.8												0019.7												0021.5												1016.0																							
		S D												9.372												8.671												8.143												6.630												5.733												4.838												3.744												3.799												4.648												6.607												8.104												8.472												7.763																							
		TOTAL OBS												310												283												310												300												310												300												310												300												310												300												310												3653																																			
4		MEAN												0022.8												0020.8												0015.2												0014.3												0013.2												0013.0												0014.0												0014.5												0016.1												0019.3												0020.7												0022.4												1017.2																							
		S D												9.499												8.788												8.142												6.814												5.767												4.696												3.685												3.729												4.734												6.775												8.350												8.502												7.765																							
		TOTAL OBS												310												283												310												300												310												300												310												310												300												310												300												310												3653																							
1		MEAN												0023.6												0021.2												0015.5												0014.5												0013.2												0013.0												0013.9												0014.4												0016.1												0019.2												0021.0												0023.1												1017.4																							
		S D												9.506												8.867												8.074												6.770												5.853												4.677												3.812												3.776												4.700												6.575												8.238												8.451												7.853																							
		TOTAL OBS												310												283												310												300												310												300												310												310												300												310												300												310												3653																							
4		MEAN												0021.7												0019.6												0014.3												0013.5												0012.3												0012.0												0012.6												0013.1												0014.6												0017.6												0019.2												0021.2												1016.0																							
		S D												9.189												8.710												7.809												6.651												5.960												4.741												3.887												3.885												4.629												6.388												8.033												8.240												7.590																							
		TOTAL OBS												310												283												310												300												310												300												310												310												300												310												300												310												3653																							
7		MEAN												0021.9												0019.4												0013.8												0012.7												0011.4												0010.9												0011.5												0011.8												0013.7												0017.3												0019.3												0021.3												1015.4																							
		S D												8.956												8.712												7.879												6.601												5.930												4.763												4.011												3.904												4.708												6.323												7.962												8.220												7.802																							
		TOTAL OBS												310												283												310												300												309												300												4.011												3.904												310												300												310												300												310												3652											
10		MEAN												0022.6												0020.1												0014.4												0013.1												0011.7												0010.6												0011.3												0012.0												0014.3												0018.2												0020.0												0022.0												1015.8																							
		S D												8.915												8.770												7.877												6.422												5.591												4.726												3.987												3.959												4.867												6.362												8.134												8.341												7.952																							
		TOTAL OBS												310												283												310												300												309												300												310												310												300												310												300												310												3652																							
27		MEAN												0022.6												0020.0												0014.4												0013.3												0012.1												0011.2												0011.9												0012.2												0014.2												0017.9												0019.8												0022.0												1016.0																							
		S D												8.994												8.782												7.864												6.456												5.582												4.848												3.980												4.023												4.828												6.444												8.260												8.405												7.881																							
		TOTAL OBS												310												283												310												300												309												300												310												310												300												310												300												310												3652																							
ALL HOURS		MEAN												0022.4												0020.1												0014.5												0013.4												0012.2												0011.7												0012.4												0012.9												0014.7												0018.1												0019.9												0021.9												1016.2																							
		S D												9.217												8.740												7.963												6.629												5.785												4.834												3.994												3.991												4.799												6.519												8.144												8.403												7.827																							
		TOTAL OBS												2480												2268												2480												2400												2477												2400												2480												2480												2480												2480												2480												2400												2480												29221											

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DATE

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12-84